3xLOGIC

Intelligent Video Surveillance

VIGIL Gatekeeper VDS v7.1

User Guide

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1 Introduction

Gatekeeper VDS gives you unrivalled access to live and recorded video from any of your networked VIGIL Servers. Advanced playback and coordinated display allows you to identify and review events of interest quickly and easily. The result is an accurate and efficient investigation of incidents with easy export of evidence material.The Sitemap feature provides unlimited map layers and camera links for easy access to your cameras.

A unique combination of control, efficiency, and adaptability offers investigators unparalleled accessibility and manageability for their video network. The result is rapid response times, reduced investigator times, and increased access and effectiveness of your video surveillance investments.

Disclaimer: *This application has been optimized for use with Windows XP and Windows 7. 3xLOGIC does not actively support other operating systems. Installing this application on operating systems other than the those mentioned above may have undesirable consequences.

2 System Requirements

The requirements below are recommendations only. Please test the desired hardware with your network to assure that the desired configuration is capable of meeting your needs.

VDS Client

	Recommended
Operating System	Windows 7 Professional or Ultimate (32 or 64 bit)
CPU	Intel i3 or higher CPU
RAM	2GB RAM
Video Card	512MB – 1GB Video Memory
Hard Drive	SATA (Minimum 100MB required for install)
Hardware	Touch screen monitor, PTZ joystick/keyboard

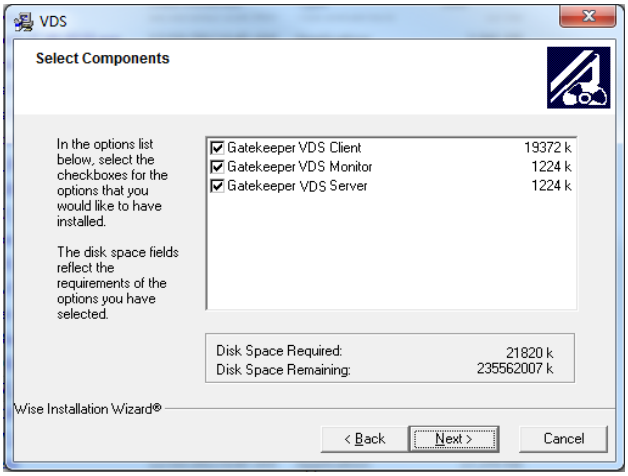
VDS Monitor

	Recommended
Operating System	Windows 7 Professional or Ultimate (32 or 64 bit)
CPU	Intel i5 or i7
RAM	2 – 4GB RAM
Video Card	2 – 4 GB Video Memory
Hard Drive	SATA (Minimum 100MB required for install)
Hardware	VGA monitors

Note: VIGIL VDS will only run on Windows platforms that support DirectX 7.01 or higher. Run DxDiag.exe to view the version of DirectX that is currently installed.

3 Installation and Configuration

After double clicking on the installation EXE file, the component selection screen will open. Select the desired components to be installed and click Next. The components are discussed below.


VDS
Select Components
In the options list below, select the checkboxes for the options that you would like to have installed.
The disk space fields reflect the requirements of the options you have selected.
Gatekeeper VDS Client 19372 k
Gatekeeper VDS Monitor 1224 k
Gatekeeper VDS Server 1224 k
Disk Space Required: 21820 k
Disk Space Remaining: 235562007 k
Wise Installation Wizard®
< Back
Next >
Cancel

Gatekeeper VDS is split into three components:

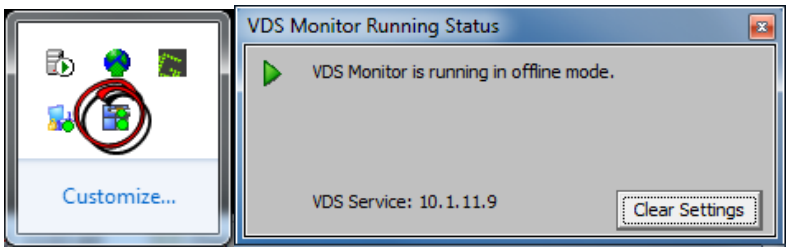
- Gatekeeper VDS Client
- Gatekeeper VDS Monitor
- Gatekeeper VDS Service

Each component fulfills a distinct purpose, detailed below. Each component can be installed on a separate system. It is recommended that each component is installed on its own separate system.

	Details
Gatekeeper VDS Client	Contains the main user interface of Gatekeeper VDS. User configuration of Gatekeeper VDS Monitor takes place here, along with the majority of user interaction.
Gatekeeper VDS Monitor	Connects to Gatekeeper VDS Service to display camera feeds on configured monitors. It is recommended that Gatekeeper VDS Monitor be installed on a different machine than Gatekeeper VDS Client.
Gatekeeper VDS Service	The essential core component of Gatekeeper VDS. Both VDS Monitor and VDS Client connect to and communicate with the Gatekeeper VDS Service. It is recommended that Gatekeeper VDS Service be installed on a different machine than Gatekeeper VDS Client.

3.1 VDS Monitor Settings

Once installed, VDS Monitor must be configured. Clicking on the VDS icon(circled in red, below-left,)in the Windows Task Bar Notification area will deploy the VDS Monitor status popup window, shown below.

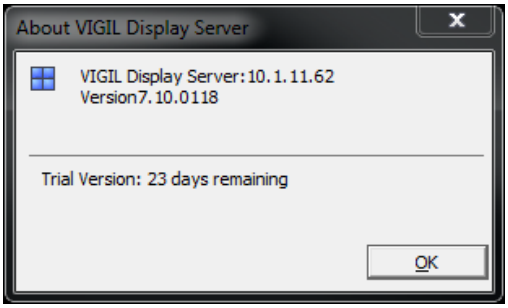


The VDS Monitor Status window shows the current mode of VDS Monitor and the IP address of the VDS Service it is currently connected to. When VDS Monitor is in Offline Mode, this window will also have the "Clear Settings" button (pictured above). Click this button if you want to clear all settings for this monitor including the VDS Service associated with it.

Important: The Clear Settings button is for emergency purposes only. It should only be used if VDS Service cannot connect to and configure that monitor.

Right-clicking on the Monitor icon in the system tray brings up a menu with the following options: About, Stop (or Start), Information, and Exit. These options are explained below.

About: Selecting *About* will display the window pictured below. This screen displays the IP address of the configured VIGIL Display Server, the current version of the VDS Monitor, and the state of the Vigil Display Server's Registration.



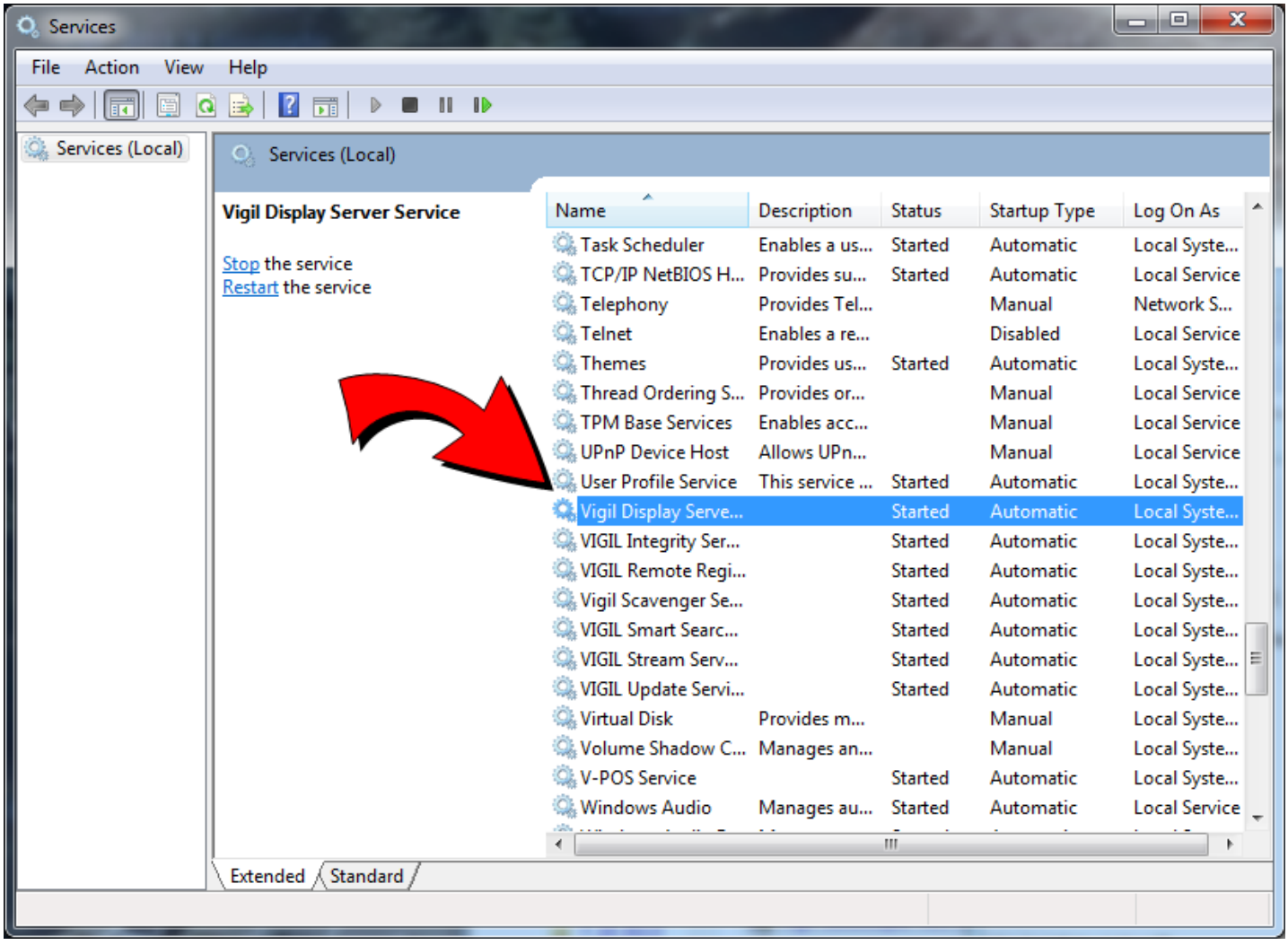
Stop (or Start): Clicking *Stop* will disable the VDS Monitor on the current system. This will cause no Monitors to be displayed, and will not allow VDS Service to connect to the Monitor until VDS Monitor is started again. Clicking *Start* will start the VDS Monitor on the current system again.

3.2 VDS Server Settings

VDS Server requires no user involvement—it will run in the background of the machine it is installed on. It can be viewed in the windows *Services* list.

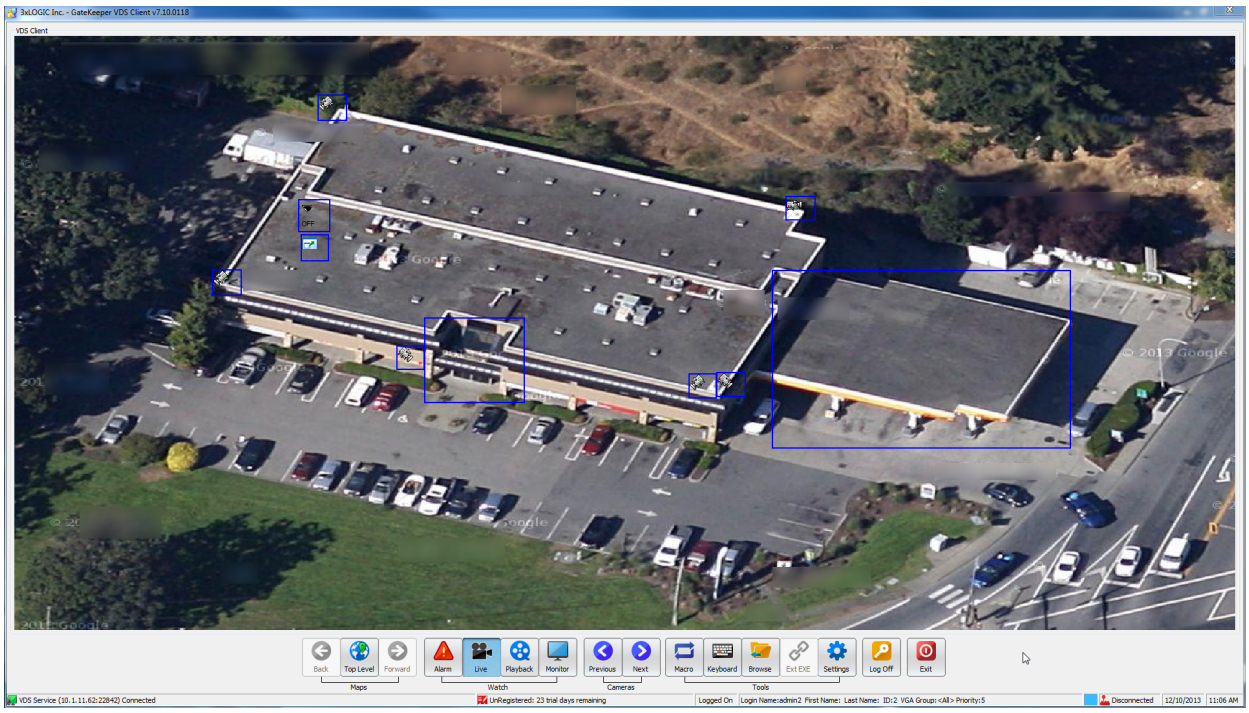
The Windows service list can be accessed by clicking on Start >> right-click on My Computer and select Manage >> Services.

Caution: Changing the Windows Service settings can cause VDS Server to stop functioning. Do not change these settings unless it is absolutely necessary and you are absolutely certain how your changes will affect the system.


Services
File Action View Help
Services (Local)
Services (Local)
Vigil Display Server Service
Stop the service
Restart the service
Name
Description
Status
Startup Type
Log On As
Task Scheduler Enables a us... Started Automatic Local Syste...
TCP/IP NetBIOS H... Provides su... Started Automatic Local Service
Telephony Provides Tel... Manual Network S...
Telnet Enables a re... Disabled Local Service
Themes Provides us... Started Automatic Local Syste...
Thread Ordering S... Provides or... Manual Local Service
TPM Base Services Enables acc... Manual Local Service
UPnP Device Host Allows UPn... Manual Local Service
User Profile Service This service ... Started Automatic Local Syste...
Vigil Display Serve... Started Automatic Local Syste...
VIGIL Integrity Ser... Started Automatic Local Syste...
VIGIL Remote Regi... Started Automatic Local Syste...
Vigil Scavenger Se... Started Automatic Local Syste...
VIGIL Smart Searc... Started Automatic Local Syste...
VIGIL Stream Serv... Started Automatic Local Syste...
VIGIL Update Servi... Started Automatic Local Syste...
Virtual Disk Provides m... Manual Local Syste...
Volume Shadow C... Manages an... Manual Local Syste...
V-POS Service Started Automatic Local Syste...
Windows Audio Manages au... Started Automatic Local Service
Extended
Standard

4 VDS Client Main Screen

This is the main screen of Gatekeeper VDS Client.



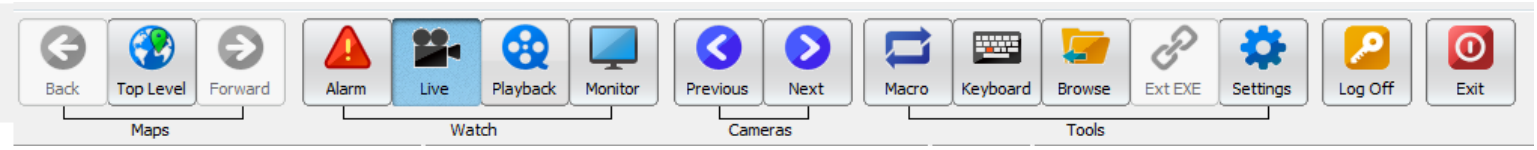
4.1 Map Icons

Gatekeeper VDS can create maps that contain camera layouts for entire sites. Details regarding creation of the site-map can be found in the *Site Map Designer* section.

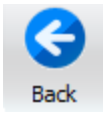
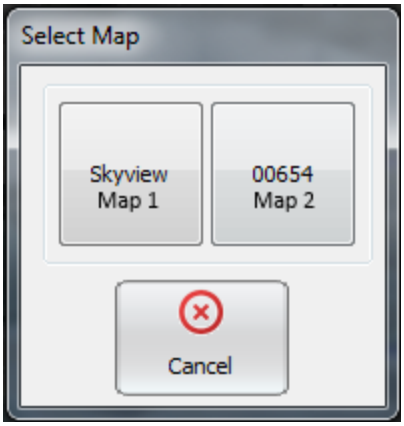
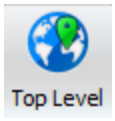
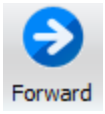
	This icon is a link to another map.
	Clicking this icon will change the currently selected monitor to display the output from a pan-tilt-zoom camera.
	Clicking this icon will change the currently selected monitor to display the output from a fixed camera.
	A camera with an asterisk in the corner is a camera that is available for Live View only and is not connected to a VIGIL Server.

4.2 Toolbar

The toolbar found on the Gatekeeper VDS main screen is where the majority of interaction with Gatekeeper VDS will take place. What follows is an overview of the function of each icon.



Maps Buttons

	Click the Back button to return to the last map viewed.	
	Opens the site-map selection window, picturedon the right.	
	Click the Forward button to view a map that was viewed before clicking the Back button.	

Watch Buttons

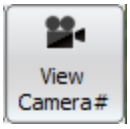
Use the *Live* buttons to view live video of an available camera input. A group of sub buttons will appear that enable further actions.

Watch Buttons - Alarm Button

	Click the Alarm button to deploy the Server Alarm window. Alarms are sent by the Server to Gatekeeper VDS. The Alarms Icon will flash when new alarms are present. See the **Alarms Window** section for more details.

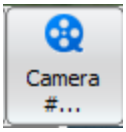
Watch Buttons - Live Menu

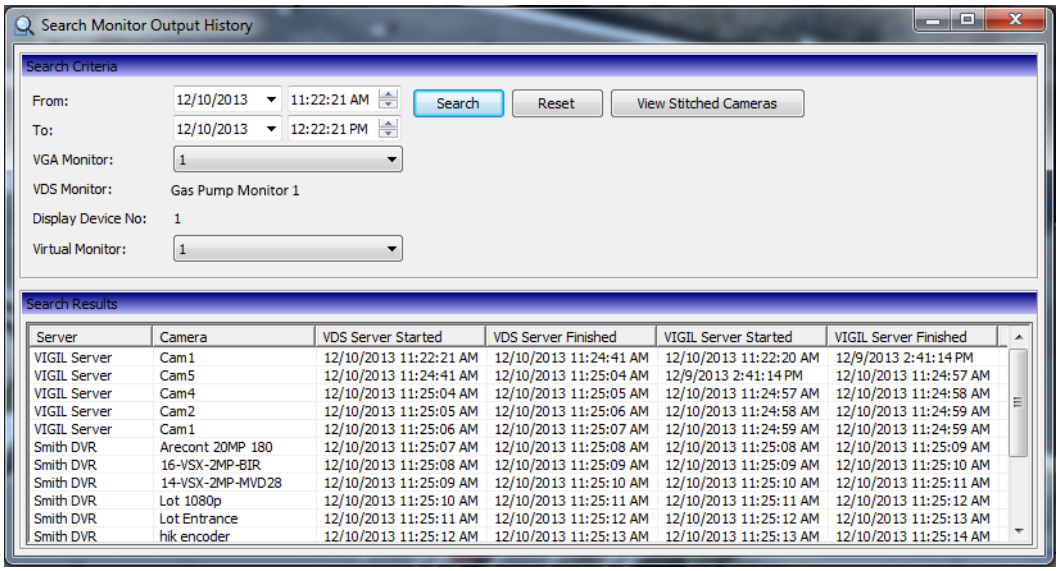
The buttons in the Live Menu display camera feeds in a separate window live on the VDS Client main screen.

	Allows a user to view live footage from various camera feeds. Click it to open the *Live* sub buttons described below. Click it again to close the submenu. Select a camera on the site map to open the live feed of that camera on your active VDS monitor.
	Allows access to the two *Live View* icons, pictured above and explained below. Clicking on *Client Live View* will reveal *View Active* and *View Camera #*.
	Changes the currently selected feed to the desired camera feed. Camera feed is chosen via the virtual numeric keypad, pictured right.
	Snapshot allows a picture of the currently selected camera feed to be captured and stored locally or on a virtual drive.
	Displays the currently selected virtual monitor feed in VDS Client within the *Live* window. This option is accessed by clicking on the *Client Live View* button. See the **Live View** section for further information on the *Live* window.
	Displays a desired camera feed in the *Live* window.This option is accessed by clicking on the *Client Live View* button. See the **Live View** section for further information on the *Live* window.

Watch Buttons - Playback Menu

The buttons in the Playback Menu allow previously recorded video footage to be replayed in Gatekeeper VDS.

	Use the *Playback* button to view previously recorded video from various cameras. *Playback* will open the *Playback* sub buttons described below. Clicking again will close the submenu. Select a camera from the site map and it will open the *Playback* window for that selected camera.
	Opens the *Playback* window for the currently selected camera/matrix input.
	Prompts for the desired camera feed to be input via the digital numeric keypad. Selected feed will be displayed in a separate window.
	Displays in a separate window the feed currently playing in the user-selected monitor.
	Allows searches to be made of footage recorded from a specific monitor. All footage from multiple camera feeds can be searched and stitched together into one piece of footage for effective playback and export. See below for details on the Monitor Output window.



Selecting a monitor and pressing *Search* will present all of the footage segments that have been recorded in the selected virtual monitor for the allotted time. Individual sections of playback can be double-clicked and viewed. Additionally, clicking *View Stitched Cameras* will play back all of the footage from the selected virtual monitor in a single stitched-together recording. This recording can then be saved, exported, or played back at will.

The purpose of this feature is to allow a user to track a target's progress across a range of several camera fields.

Watch Buttons - Monitor Button

The monitor button launches the monitor window. This window is used for a variety of purposes all revolving around manipulating the monitor's display. The monitor window is discussed below at length.

	Opens the monitor window. See the ***Monitor Window*** section for details.

Cameras

These buttons allow the cycling of camera feeds on the currently selected virtual monitor.

	Displays the previous camera in the currently selected virtual monitor. Multiple clicks will continuously cycle through cameras in reverse order.
	Displays the next camera in the currently selected virtual monitor. Multiple clicks will continuously cycle through camera feeds.

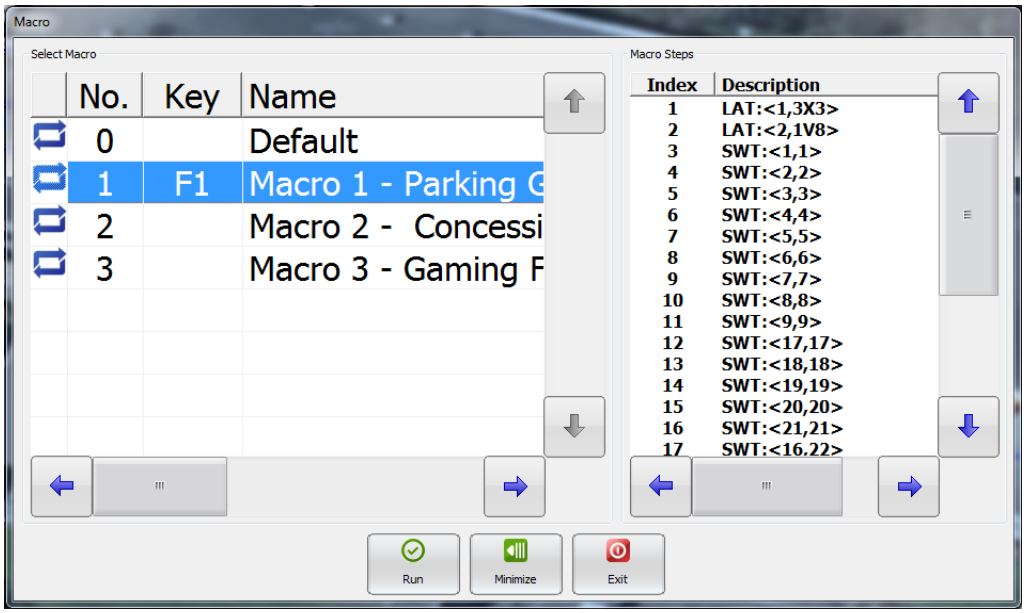
Tools

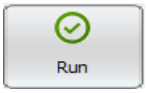
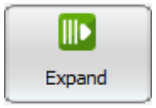
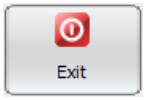
The tools icon set contains the miscellanea of the Gatekeeper VDS main screen buttons. These buttons do not fit into any other category and serve a wide range of purposes.

Tools - Macros

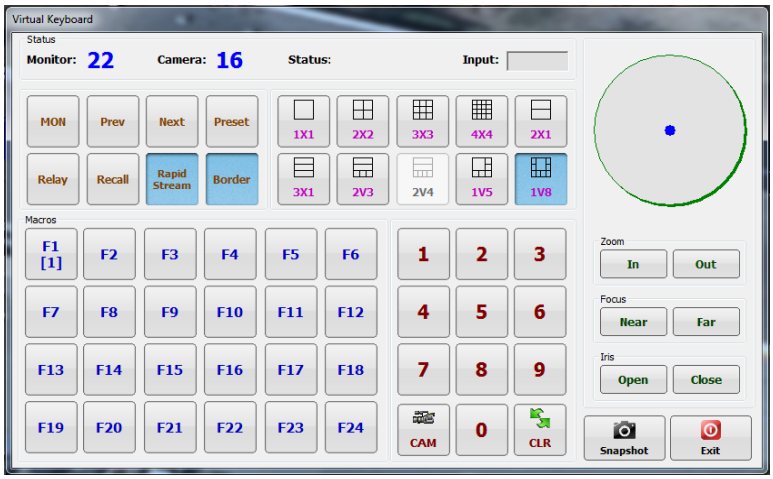
Macros are sets of user-defined actions that can be recorded and executed at a later date by Gatekeeper VDS Client. To learn about how to set up or modify Macros, see the section named **Macro Settings Tab** under "Server Settings" (5.1).

	Opens the Macro Window (pictured below.)



	Runs the selected Macro.
	Displays or hides the Macro Steps portion of the window.
	Closes the Macro window.

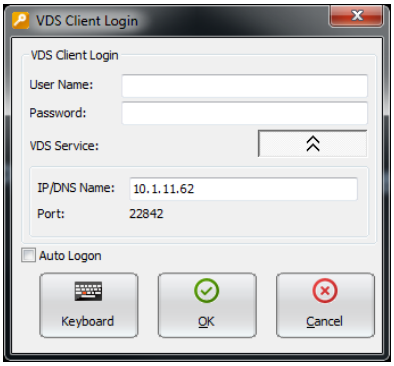
Tools - Other Tools

	Launches a virtual keyboard interface. The virtual keyboard is used to change monitor layouts, select camera feeds, and take snapshots of selected cameras. Please see the ***Keyboard*** section for further details.	
	Opens a window showing a list of directories on the local machine to view saved videos and image snapshots.	
	Launches an external application configured from the settings menu. Further information can be found in the ***Settings*** section of this guide. The icon's name will change depending on what it is named. The original state of the icon will say "ext. EXE".	
	Opens the settings window. Settings are discussed below in greater detail.	

Exit and Log Off

The Exit and Log On/Log Off buttons control who is signed in to Gatekeeper VDS and allows the shutting down of the system.

	Exits the Gatekeeper VDS Client program. Click Yes in the Exit Confirmation window to exit Gatekeeper VDS Client.
	Logs off the current VDS Client user. VDS client's interface will close and open to the title screen.
	Opens the VDS Client Login window. Enter the user name and password for the VDS Client, along with the IP/DNS name of the VDS Service.



5 Settings

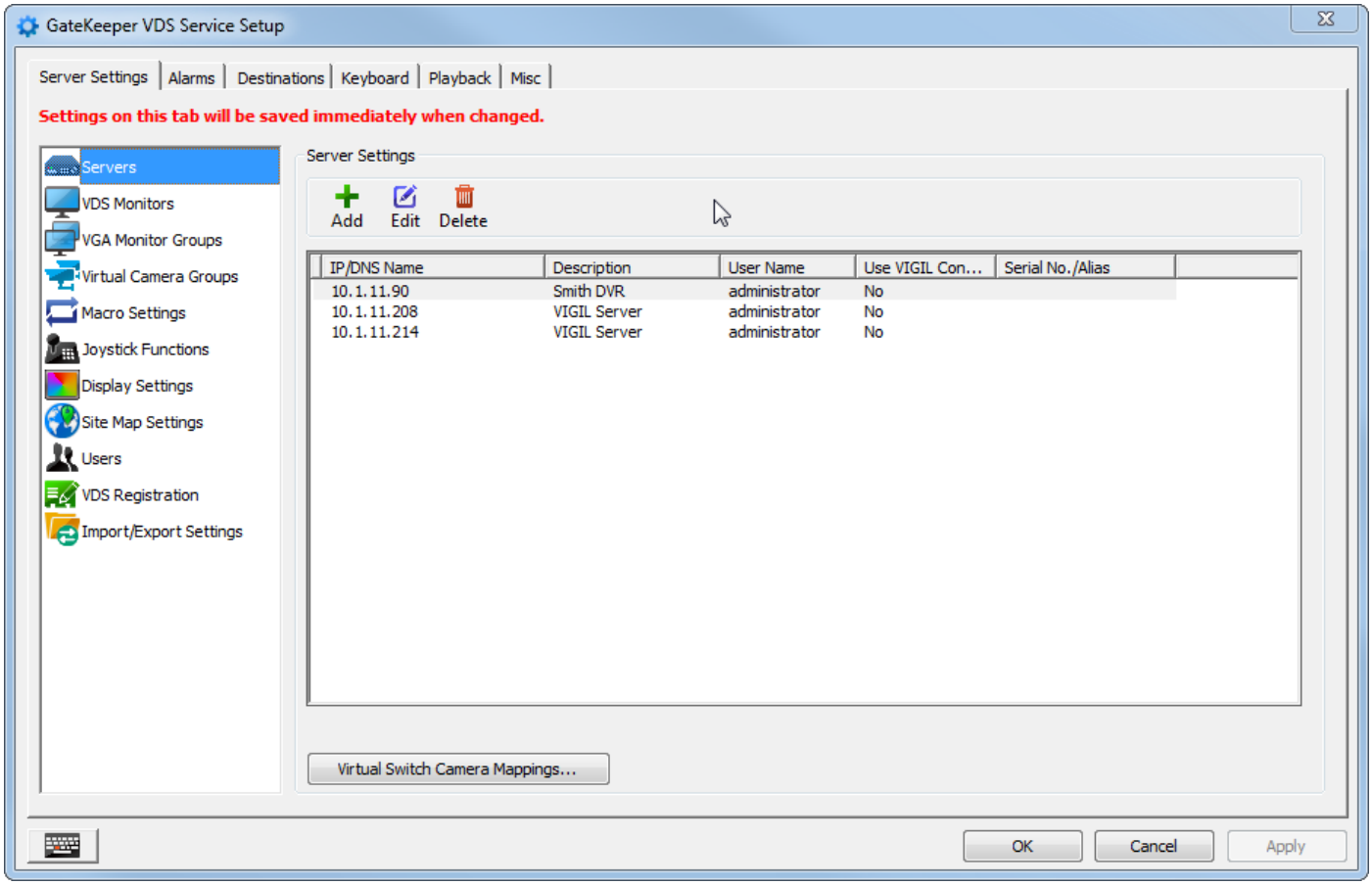
The settings window of Gatekeeper VDS is where all of the setup and configuration is done. This is the first window that must be interacted with once Gatekeeper VDS is installed and launched. Each tab and sub tab is discussed in detail below.

5.1 Server Settings

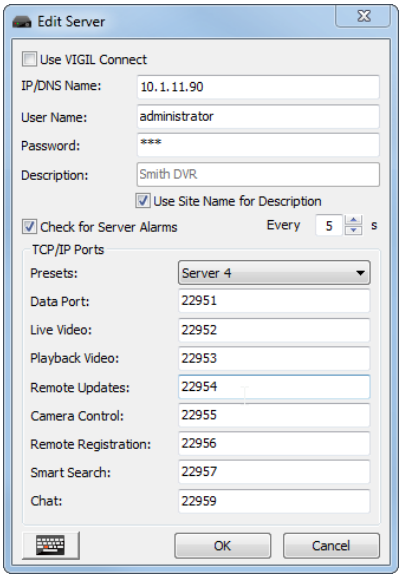
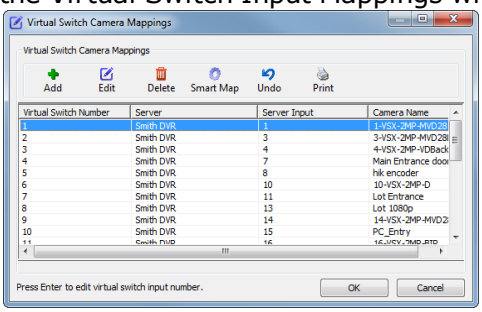
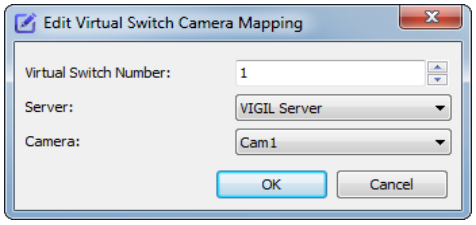
When launched, the Server Settings tab is selected by default in the Settings window. Its many functions and tabs are explained below.

VIGIL Servers Tab

The VIGIL Servers tab deals with the configuration and management of the VIGIL Servers that Gatekeeper VDS is monitoring.



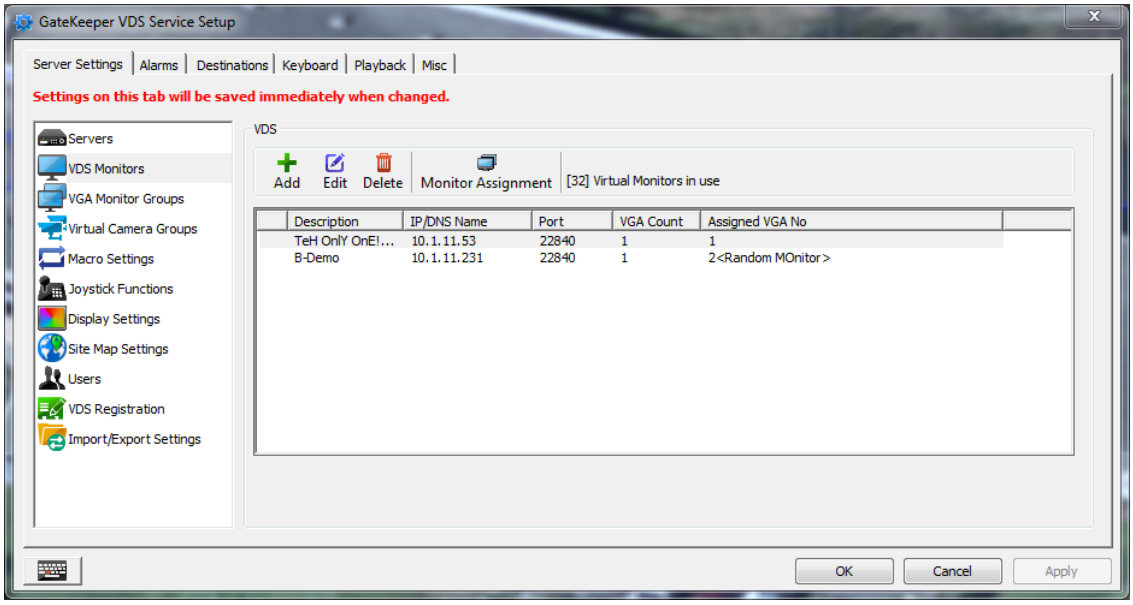
Cont'd on next page.

<table>
<tr><td rowspan="4"> 
</td><td>Add VIGIL Server</td><td>Opens the Add VIGIL Server window, pictured to the left. Enter the required information and click OK to configure a VIGIL Server to Gatekeeper VDS.</td></tr>
<tr><td>Edit VIGIL Server</td><td>Opens the VIGIL Server settings window, allowing manipulation of VIGIL Server values.</td></tr>
<tr><td>Delete</td><td>Deletes the selected VIGIL Server from Gatekeeper VDS.</td></tr>
<tr><td>Virtual Switch Input Mappings</td><td>Opens the Virtual Switch Input Mappings window.
 
</td></tr>
<tr><td>Add</td><td>Opens a window (pictured right) to manually configure a Virtual Switch input mapping.</td><td> 

Virtual Switch Input Mappings window</td></tr>
<tr><td>Edit</td><td colspan="2">Change the details of a previously mapped virtual switch input. The window is identical to the “Edit Virtual Switch Input Mapping” window.</td></tr>
<tr><td>Delete</td><td colspan="2">Deletes the currently selected virtual switch input. Deleting an input will remove its feed from VDS Monitor and render its input number dysfunctional.</td></tr>
<tr><td>Auto Map</td><td colspan="2">Automatically detects and configures all cameras on all VIGIL Servers configured in Gatekeeper VDS. It will group cameras from a given VIGIL Server together, as can be seen in the picture above and to the left.</td></tr>
<tr><td>Print</td><td colspan="2">Prints a list of all virtual switch input mappings.</td></tr>
</table>

VDS Monitors Tab

The VDS Monitors tab manages the physical monitors that VDS Monitor uses to display its camera feeds.

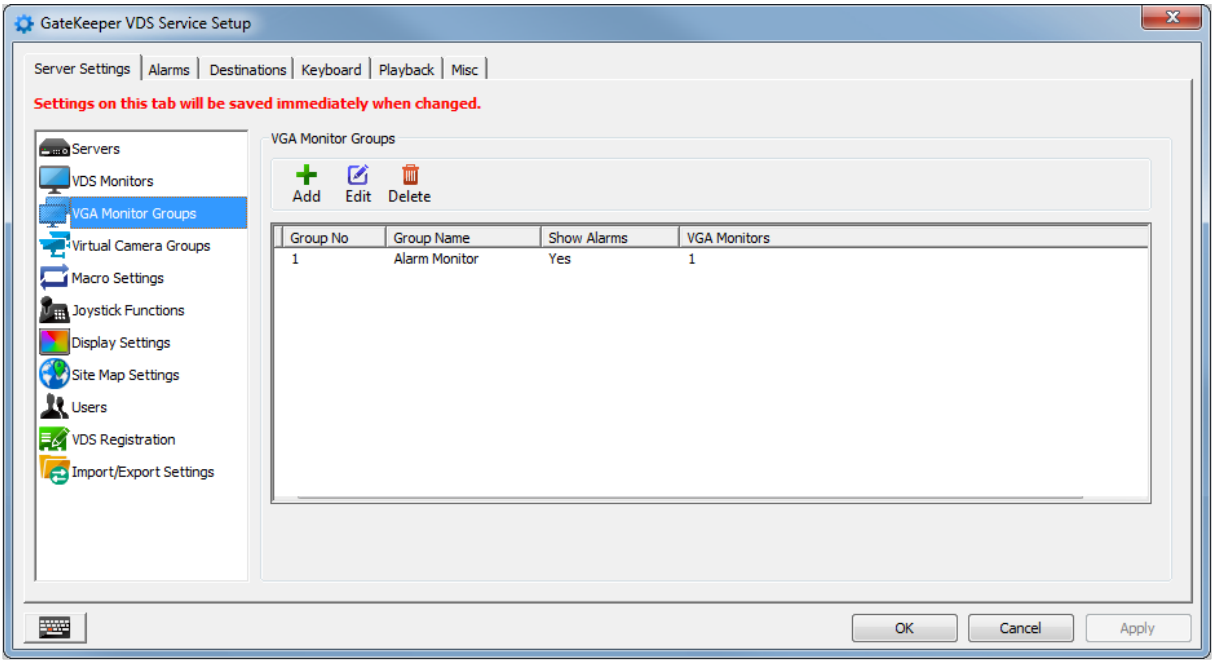


Add	Opens a window used for adding and editing VDS Monitors, pictured and explained on the next page (VDS Monitor Settings Window).
Edit	Opens the VDS Monitor Settings for the currently selected VDS Monitor, pictured and explained on the next page (VDS Monitor Settings Window).
Delete	Deletes the currently selected VDS Monitor.

Columns:	
Description	Name of the VDS Monitor service.
IP/DNS Name	The IP or DNS name of the system with VDS Monitor service installed.
Port	The port the VDS Monitor service is using.
VGA Count	The number of VGA monitors using the VDS Monitor service.
Assigned VGA #	The VGA monitor numbers for the monitors that are using the VDS Monitor service.

VGA Monitor Groups Tab

The VGA Monitor Groups tab is used for creating, editing, and deleting VGA Monitor Groups. VGA Monitor Groups can be used to control which VDS Monitor Systems a user has access to (see **Users Tab** section below), or to display server alarms for VIGIL Servers VDS Service is configured to check for alarms (see **VIGIL Servers Tab** section above).

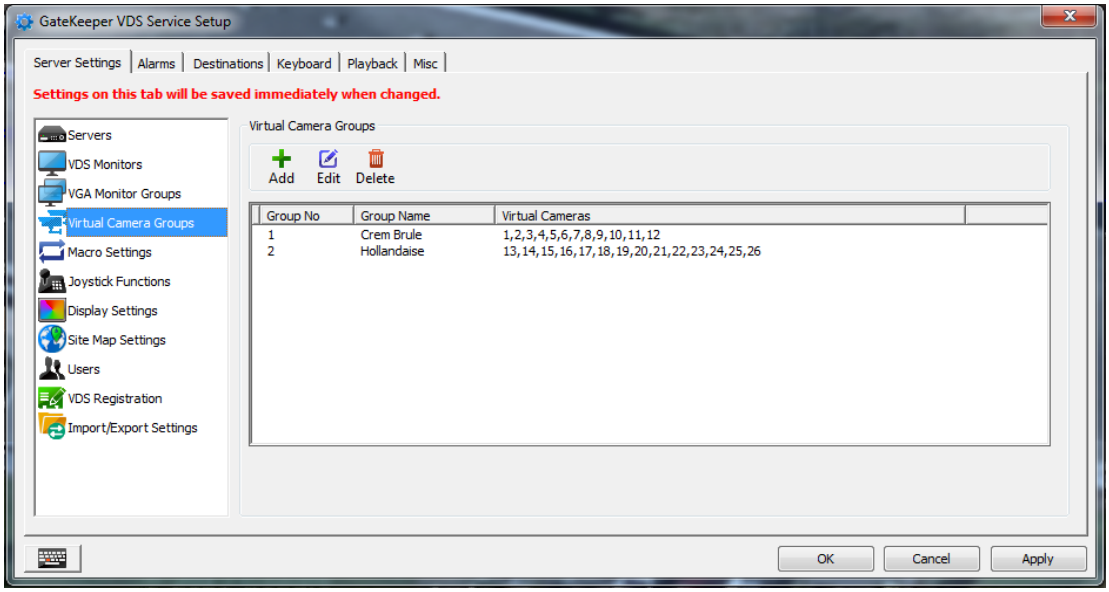


Add	Clicking add opens the VGA Monitor Groups Setup window for configuration of a VGA monitor group. The window is pictured and explained on the next page.
Edit	Opens the VGA Monitor Groups Setup window for the currently selected VGA group. All group configuration information can be edited from this window. (See picture and explanation on next page.)
Delete	Deletes the currently selected VGA group.

Columns:	
Group No	Number VDS has assigned to the VGA Group
Group Name	Name given to the VGA Group
Show Alarms	Displays "Yes" if the group is configured to show alarms, "No" if it has not
VGA Monitors	Lists which VGA Monitors are included in the VGA Group

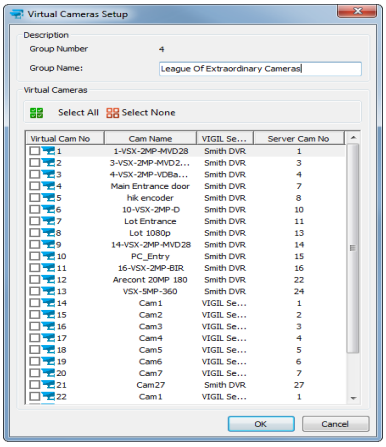
Virtual Camera Groups

The virtual camera groups are designed to limit the number of cameras associated with a particular user. User accounts can be configured to have access to all cameras, or be restricted to only viewing the cameras of one group (for more information, see the **Users Tab** section of this manual below).



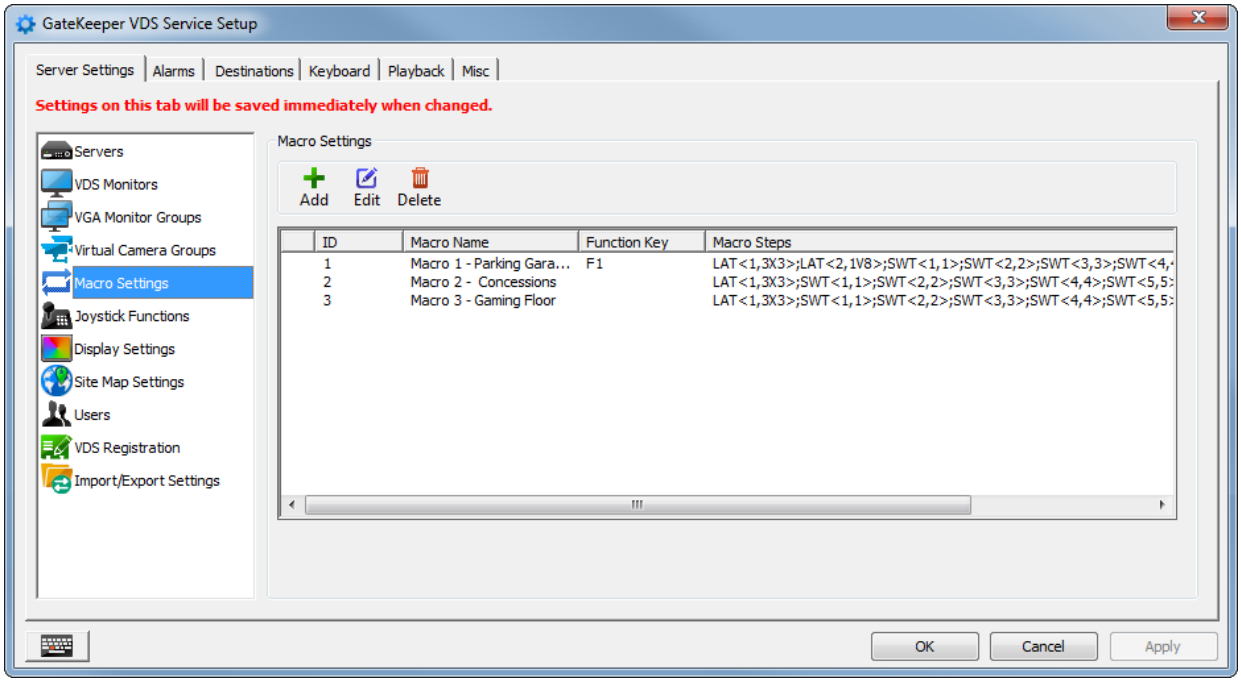
Add/Edit	Opens the Add/EditVirtual Camera Groups window. Further details found below.
Delete	Deletes the currently selected group.

Group Number	The number of the group. Numbers will raise chronologically based on how many groups exist.
Group Name	User-defined name of the virtual camera group.
Select All	Selects all of the cameras.
Select None	Deselects all of the cameras.

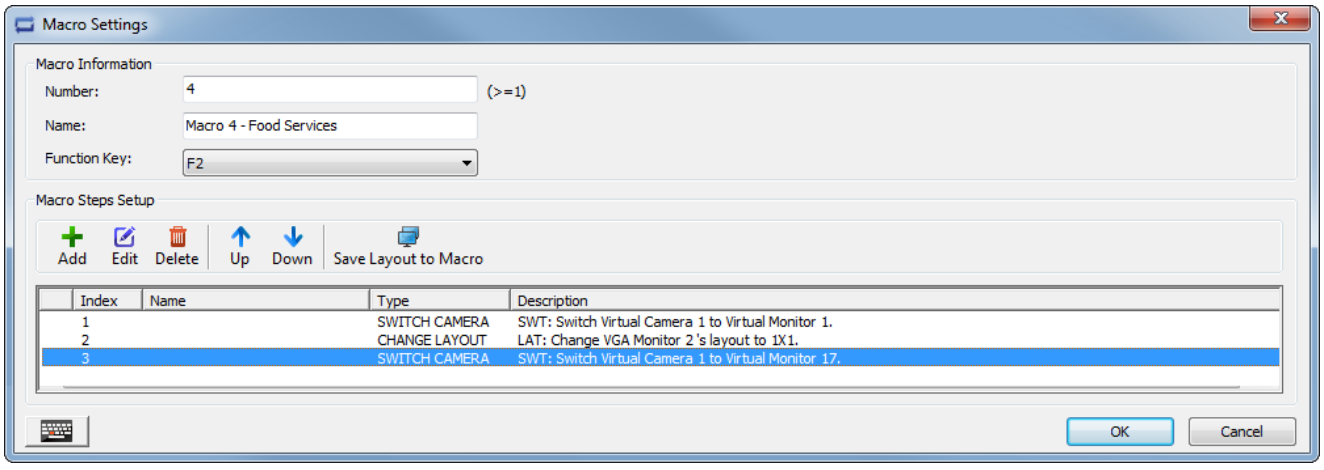


Macro Settings Tab

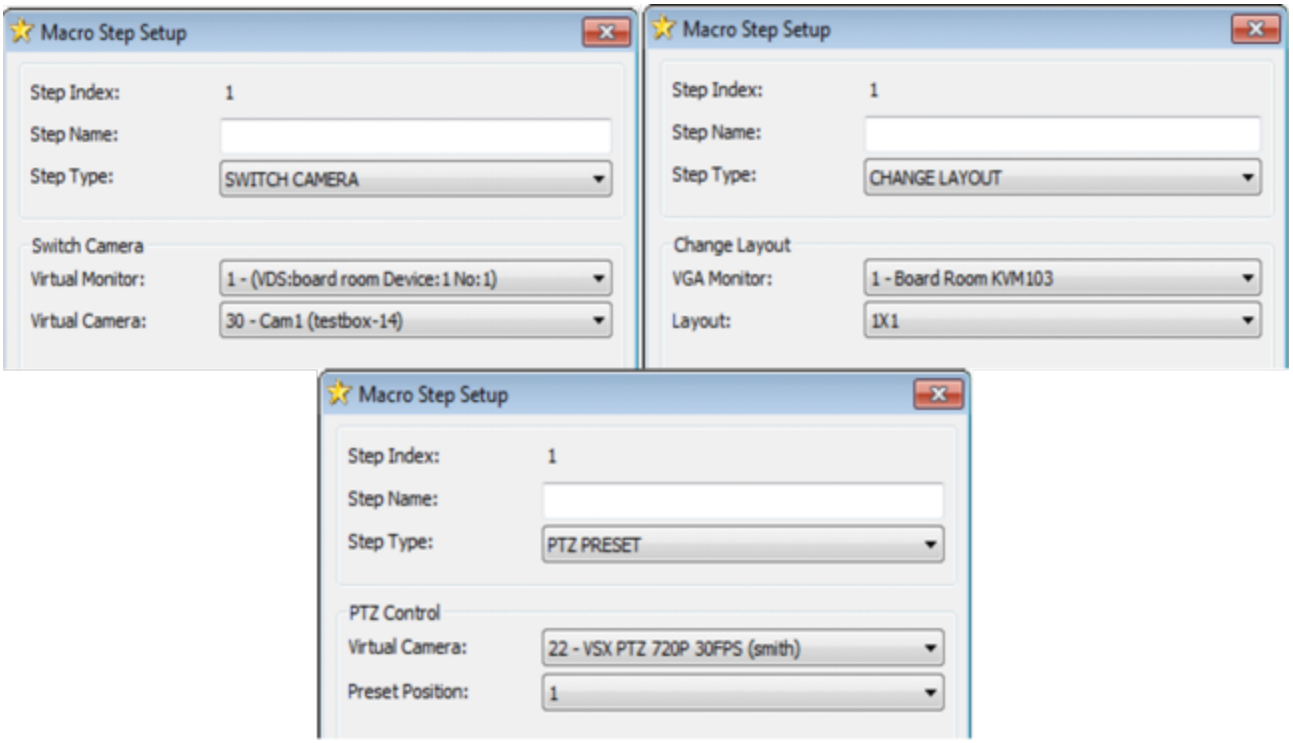
Macros are sets of user-defined actions that can be recorded and executed at a later date by Gatekeeper VDS Client. There is no limit to the number of saved macros.



Add Edit	Opens the Macro Settings window for the configuration of macros, shown below.
Delete	Deletes the selected macro.



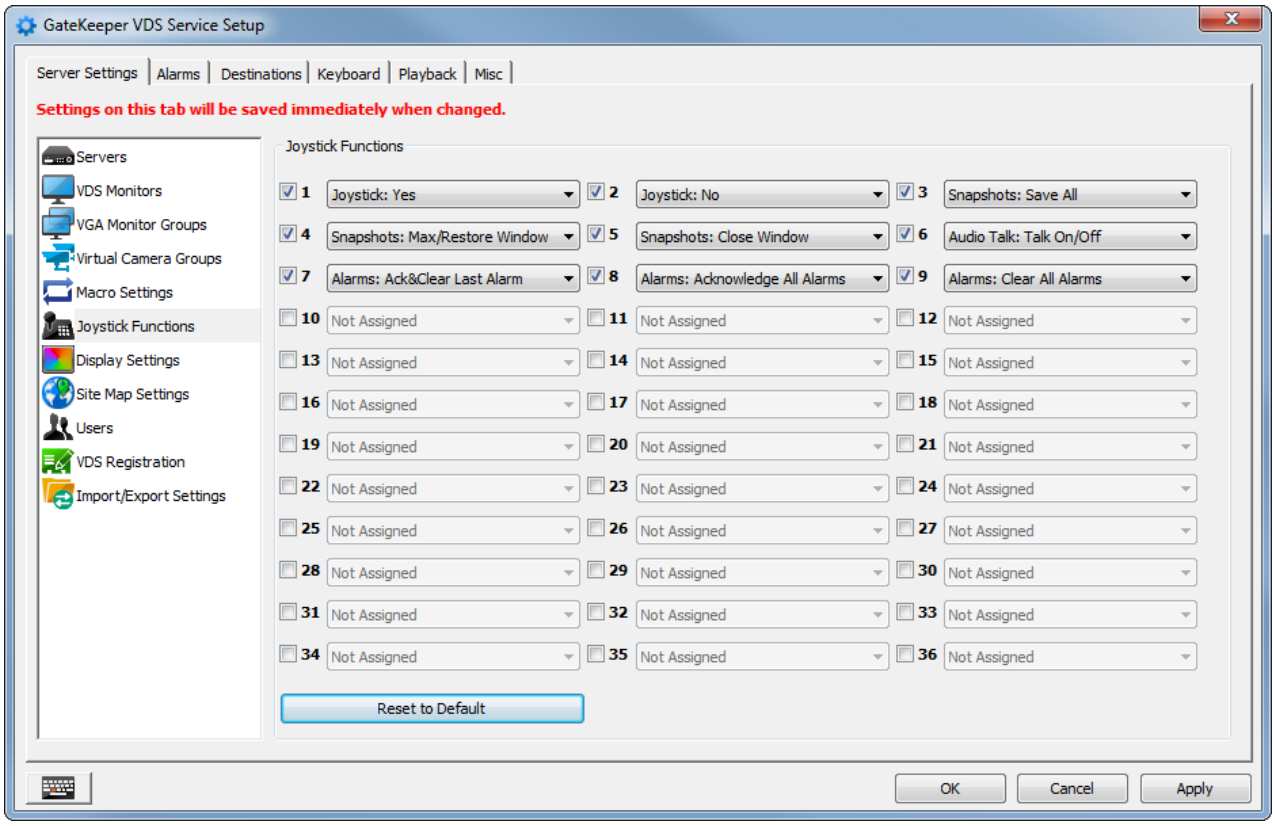
Macro Step Setup



The Macro Step Setup window is opened by choosing to add or edit a set of Macro Steps. This window is used for configuring each individual step of the macro being created. A Macro Step is a single action that is part of a Macro.

Step Index	The number of the step in the sequence of macro events.	
Step Name	The user-defined name of the step.	
Step Type	Select the type of action for the step currently being created or edited. See explanations to the right.	**SWITCH CAMERA** selects a virtual monitor and changes its feed into that of a selected camera.
		CHANGE LAYOUT switches a VGA monitor's current layout to a different available layout.
		PTZ PRESET selects a virtual input and places it at a preset PTZ position.

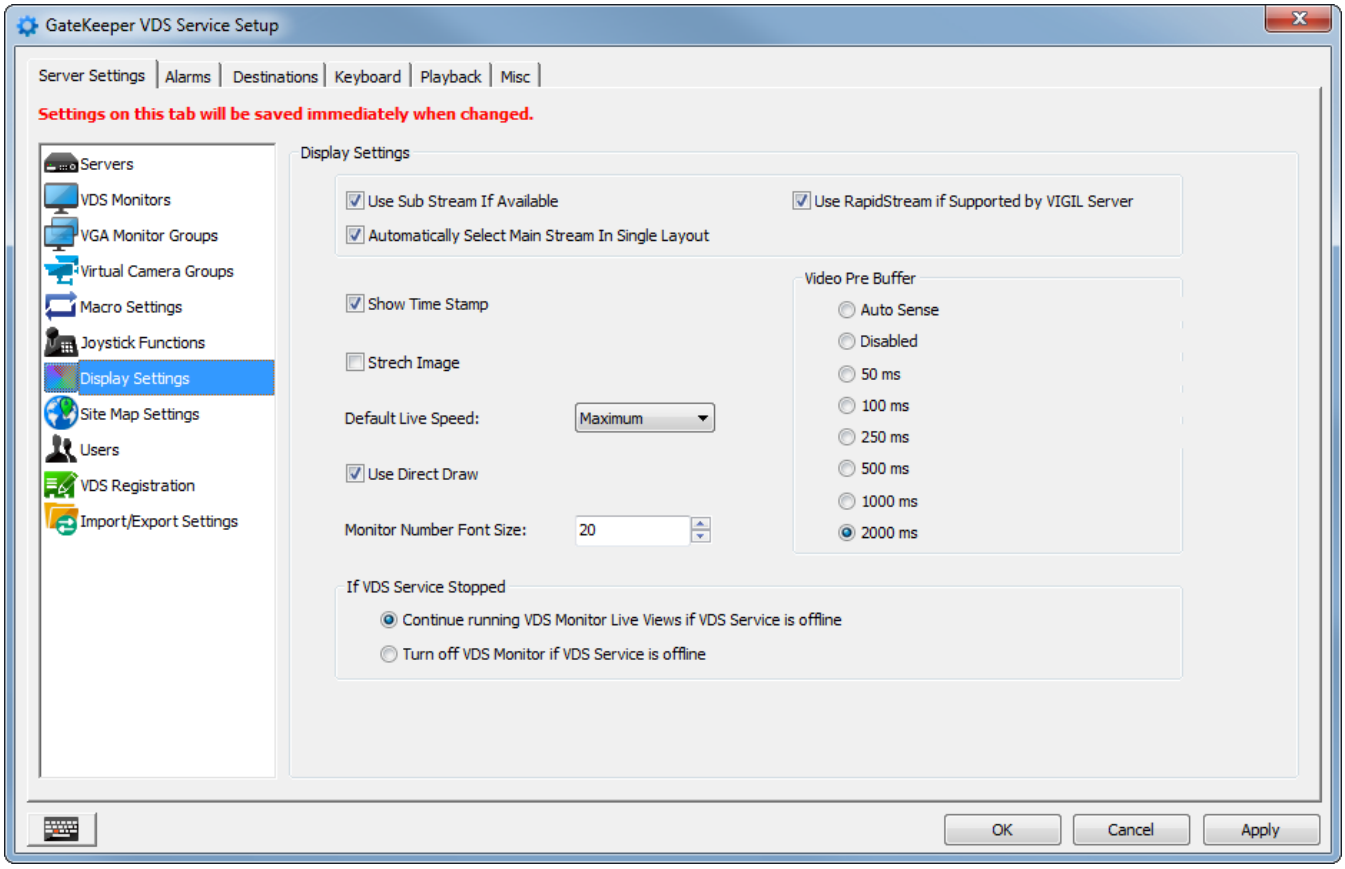
Joystick Functions Tab



Joystick functions allow a user to add extra functionality to a joysticks number pad and buttons aside from a joysticks traditional button assignment. Check off a Joystick function number and assign a command to configure a joystick function.

Display Settings Tab

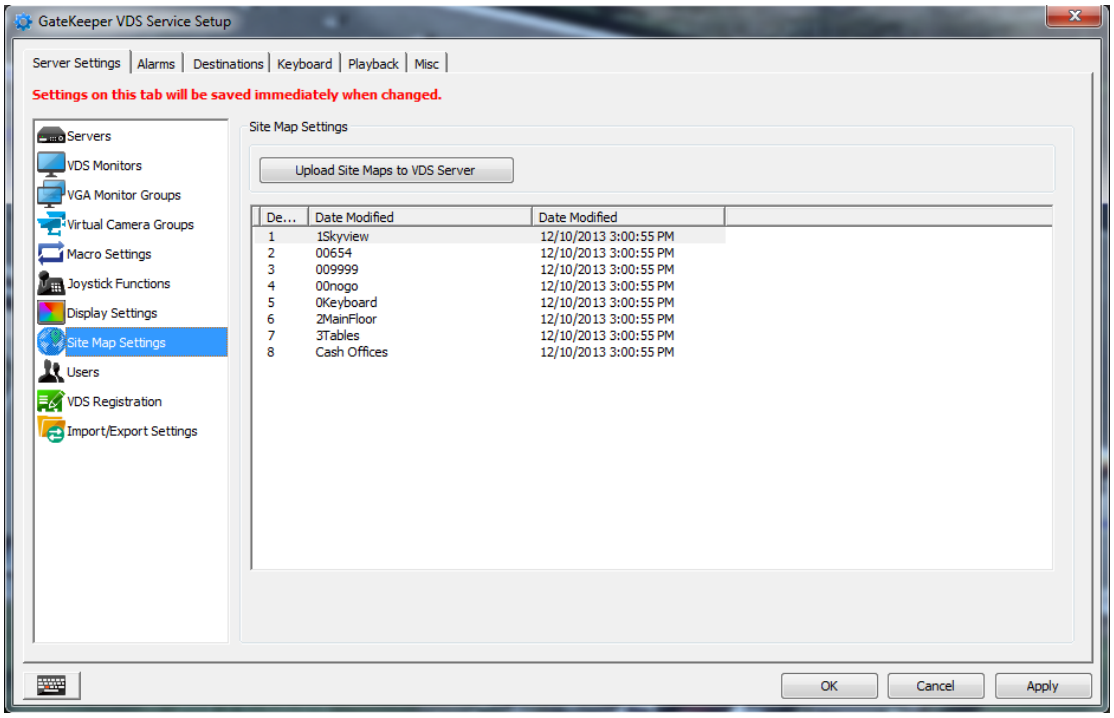
The display settings tab allows configuration of live view preferences. These settings take effect when viewing any live camera feed, in single view or on a VGA monitor.



Use Sub Stream if Available	Enabling this option allows camera feeds to be displayed as sub-stream if the camera supports substream mode. When enabled, subsequently opened camera feeds will display in Sub Stream. This option is enabled by default.
Automatically Select Main Stream in Single Layout	Allows a camera in single view layout to go into fullstream mode if it was previously in sub stream. The camera will return to sub-stream mode when the layout is changed to anything other than 1x1. This setting is enabled by default.
Use Rapidstream if Supported by VIGIL Server	Enables a camera to use Rapidstream during playback if Rapidstream is supported by VIGIL Server PC. Rapidstream reduces the resolution of the camera feed for smoother performance at the cost of video quality. This option is disabled by default.

Show Time Stamp	When selected, this option will display the current time in the lower righthand corner of all live camera feeds. Deselecting this option will remove the time from all live camera feeds. This option is enabled by default.
Stretch Image	Enabling this option allows a camera's feed to stretch to fit a virtual monitor. This will not maintain aspect ratio—the camera's feed will be stretched. This option is disabled by default.
Use Direct Draw	Enables Direct Draw if supported by the VDSClient PC. The Direct Draw program will produce a better quality picture with faster rendering. This option is enabled by default.
Default Live Speed	Sets the default framerate for camera feeds. The options are: Maximum, Turbo (20fps), Fast (10fps), Medium (5fps), and Slow (1 fps). Maximum is set by default.
Monitor Number Font Size	Determines the size of the font for the monitor number located on the virtual monitor screens. Font sizes range from 10 to 20.
Video Pre-Buffer	Sets the pre-buffer for all IP cameras being displayed on VDS monitors across the system. Note that PTZ cameras are never pre-buffered, no matter what this setting is. 💡 **Note:** This setting applies to all VDS Monitors on the system (global). To change the Video pre-buffer for the current VDS Client (local), see the Misc Settings section.
If VDS Service Stopped:	Select what VDS Monitor should do if the VDS Service has been stopped.

Site Map Settings

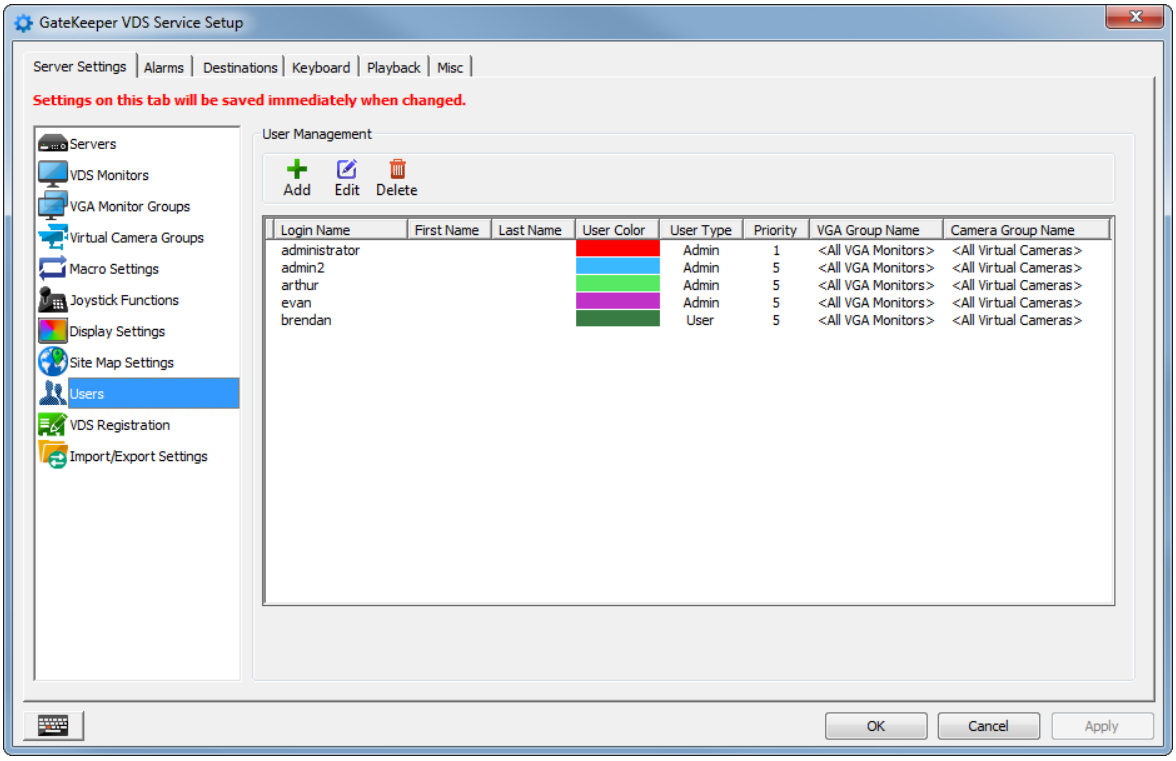


Sitemap files can be uploaded to a VDS Server using this window. Click the *Upload Sitemaps to VDS Server* button to open a windows file browser. Naviagte to the folder containg the desired Sitemaps and click *OK* to upload them.

Uploaded Sitemaps are listed. The date of upload is also included with the listed maps.

Users Tab

The Users tab allows for creation and management of Gatekeeper VDS user accounts. Administrator accounts can edit their own information while they are logged in, but cannot edit the settings of any other user if that user is logged in.

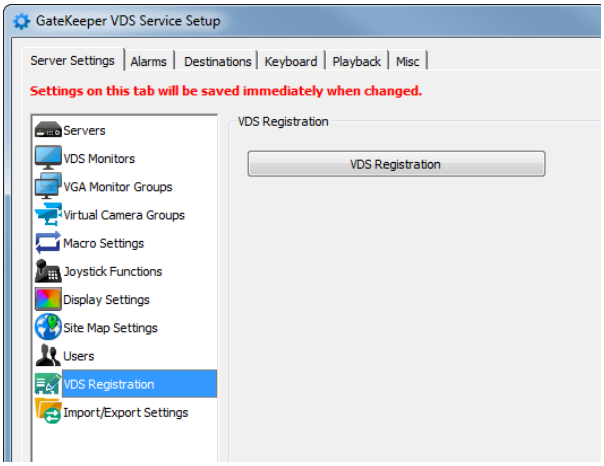


Add Edit	Add or Edit existing user. The Users window is explained on the next page.
Delete	Deletes the selected user account. Deleted users will no longer be able to sign in.
Login Name	The name that will be used to sign in to the selected User account.
User Type	A user may have 1 of 2 types: User or Admin. Users can use VDS Client but not change any settings or access the Settings window. Admins (administrators) have full access to all of Gatekeeper VDS' features and settings.
Priority	The priority assigned to the user. Users with higher priority levels will overwrite any settings conflicts with users of a lower priority. For example, if two users tried to simultaneously change a VGA layout, the user with the higher priority would get that change.

VDS Registration Tab

The *VDS Registration* tab facilitates the remote registration of the *VDS Service*. VDS Gatekeeper keys can be manually registered or imported from this tab.

Note: This button is for registration of the VDS Service only. You can manage registrations for other VIGIL products in the Registration tool in the Windows Start Menu.

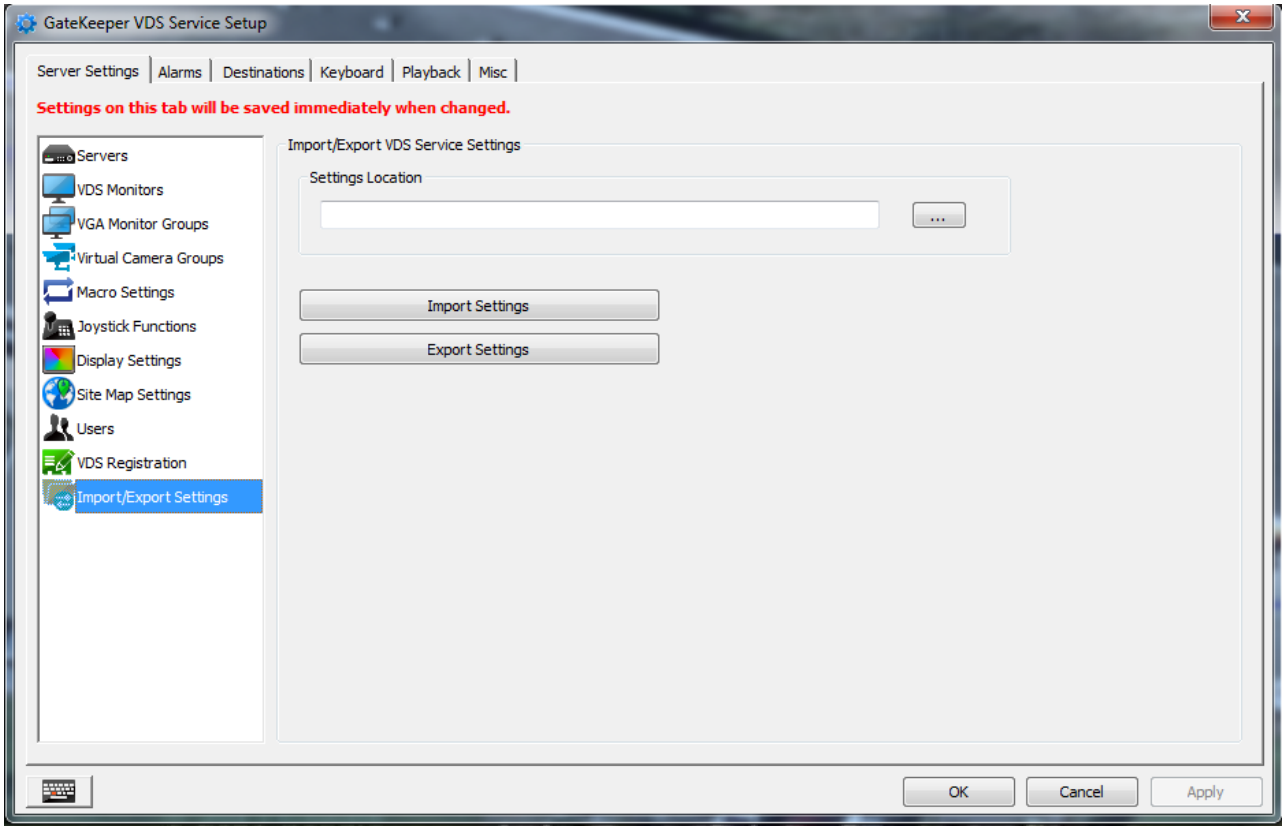


VDS Registration	Opens the *VDS Client Registration* window. From this window, pictured below, Gatekeeper VDS virtual monitors can be registered. Click on Unregistered Modules and select *VIGIL Display Server*. Import or type in the registration key and press *Register.*

Import/Export Settings Tab

This tab allows the export of Gatekeeper VDS server settings to a specified directory. Backup files can then be imported at a later date to restore Gatekeeper VDS server settings to the state they were in when they were exported. Server settings are comprised of settings located in the *Server Settings* tab.

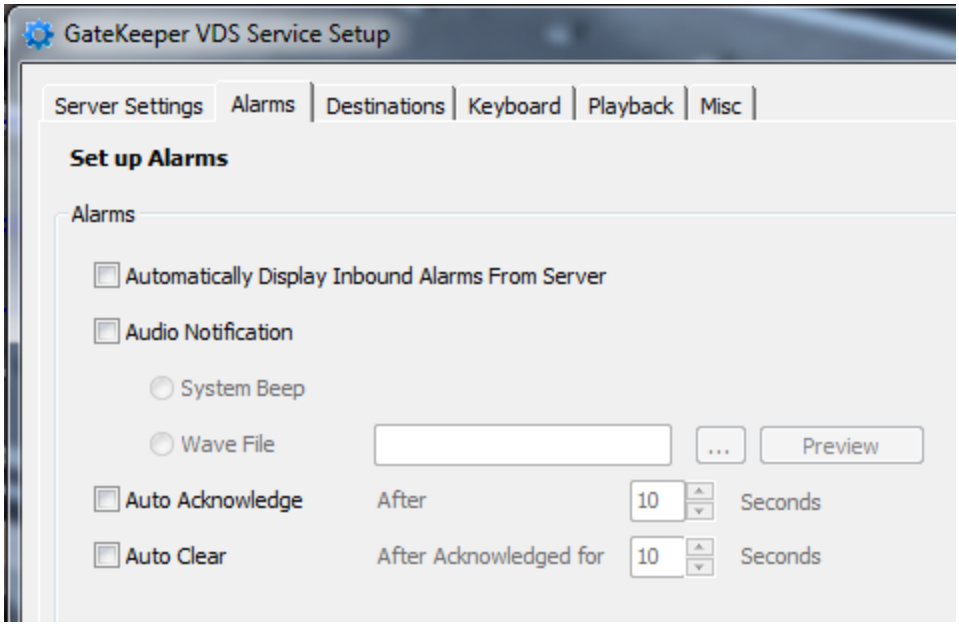
Note: This page is intended for exporting VDS Server (global) settings. To export settings for the current VDS Client (local), see the **Misc** Settings section of this document.



Settings Location	The ... **button** opens a file browser window. This can be used to select the desired directory to import settings to or export settings from.
Import Settings	Imports VDS Server settings files from the selected directory.
Export Settings	Exports current VDS Server settings to the selected directory.

5.2 Alarms

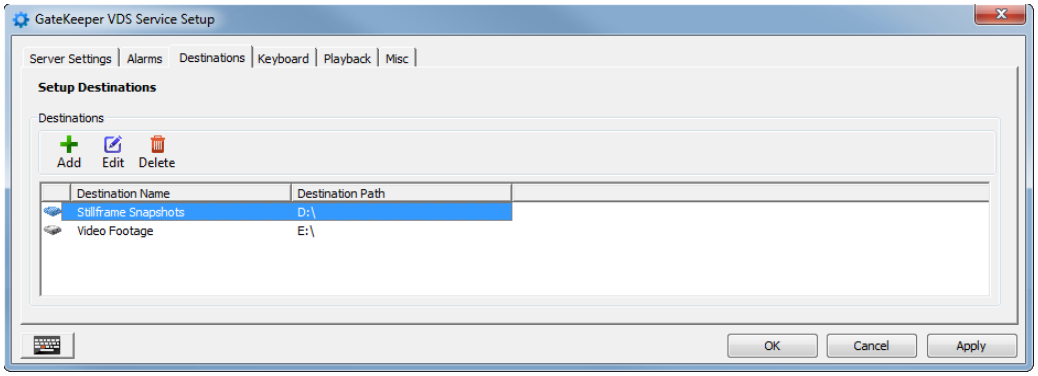
The alarm tab is where Gatekeeper VDS is told how to interact with alarms being sent from a connected VIGIL Server. All alarm configuration options take place on this tab.



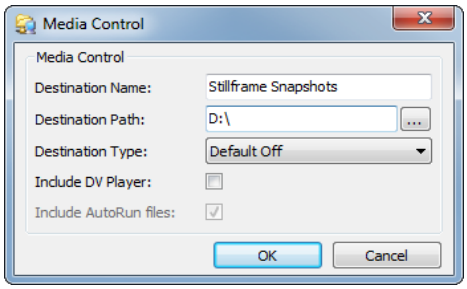
Automatically Display Inbound Alarms from Server	Enabling this option allows Gatekeeper VDS to automatically display the alarms window if alarms are received from a configured server. This setting is disabled by default.
Audio Notification	Enabling this option creates an audible sound upon the reception of a server alarm. Audio notification is disabled by default. The sound can either be a system generated beeping noise, or a user-defined wave file. Set the wave file by clicking the ... button and browsing to its location on the network. Click *Preview* to verify that the file plays properly.
Auto Acknowledge	Auto Acknowledge allows Gatekeeper VDS to automatically mark incoming alarms as acknowledged. Gatekeeper VDS will mark received alarms as acknowledged after they have been displayed in VDS Server for the configured number of seconds.
Auto Clear	Auto Clear allows GateKeeper VDS to automatically clear Acknowledged Alarms after the configured number of seconds.

5.3 Destinations

The destinations tab is where export destinations are configured for exported video footage, audio recording, and still frame snapshots can be stored.



	Allows the user to add a new export destination or edit an existing one with the *Media Control* window, pictured below.
	Deletes the selected destination. **Note:** Deleting a destination will not delete the Windows folder or the files contained in that destination.

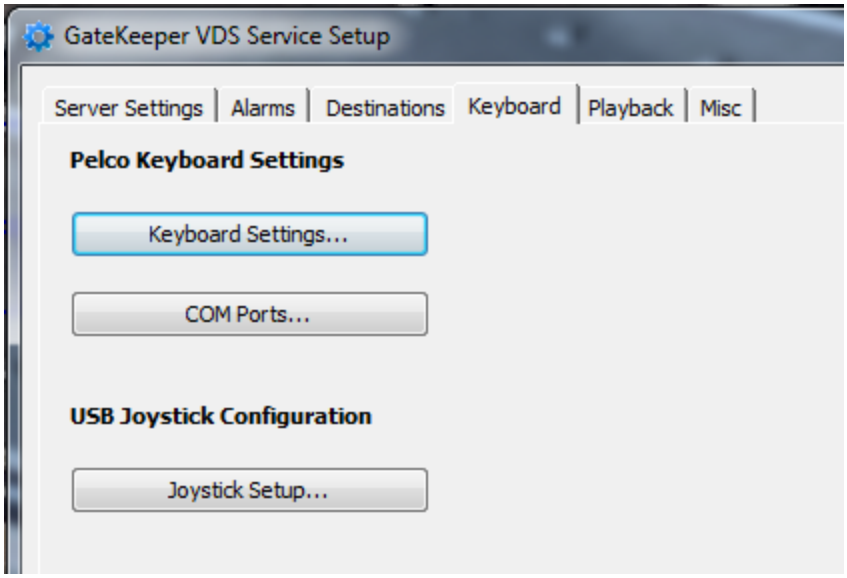


Destination Name	The name for the export destination.	
Destination Path	The path for the export destination. Click the … button to browse to the destination.	
Destination Type	This setting affects how the destination appears in the export list.	
	Default Off	The destination will not be selected for exports by default.
	Default On	The destination will be selected for exports by default.
	Silent Send	All exports will be copied to this destination without notifying the user.

Include DV Player	Saves the Digital Video (DV) Player to the same destination each time an export is done. This setting is normally used for CDDrives, DVD Drives, or USB Flash Drives.
Include AutoRun Files	If enabled, the DV Player application will install or run when the DVD is inserted to a system that does not already have DV Player installed. **Note:** Due to some Anti Virus applications detecting all Auto Run files as a potential threat, it is recommended to disable this option.

5.4 Keyboard

Pelco KBD300A keyboards are configured on this page for use in Gatekeeper VDS Client. Keyboards are used to control camera layouts, virtual monitor layouts, PTZ, and macros. Physical keyboards replicate the functionality of the virtual keyboard accessed from the Keyboard icon on the main screen's toolbar.



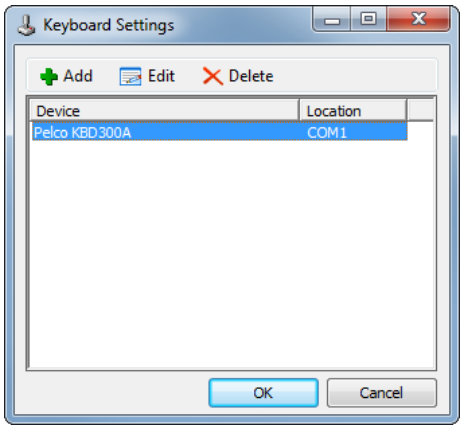
Keyboard Settings	Opens the Keyboard Settings window, shown below. This button allows the configuration of Pelco KBD300A keyboards.
COM Ports	Opens the configuration window for the COM ports the KBD300A will be using to interface with Gatekeeper VDS Client.
Joystick Setup	Opens the Joystick Configuration window, detailed below.

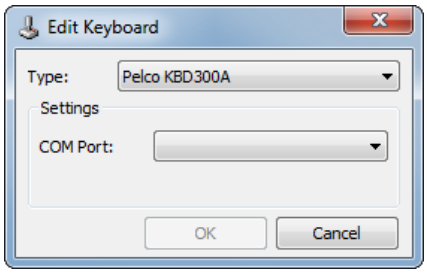
Keyboard Settings

Keyboard settings deal with the configuration of connected Pelco KBD300A keyboards for the control of PTZ cameras.

Note: For more information on the Virtual Keyboard, please refer to the **Virtual Keyboard** section.

Add/Edit	Adds a new Pelco KBD300A keyboard or edits one that already exists.
Delete	Deletes the currently selected KBD300A keyboard.

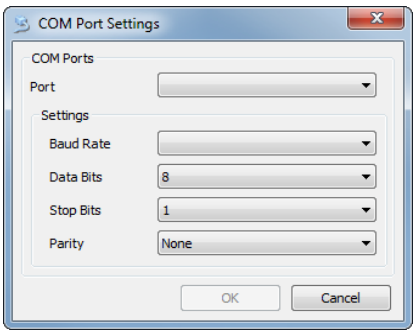




Type	The type of keyboard being configured or edited. Pelco KBD300A is currently the only option.
COM Port	The COM port that will be used by the configured KBD300A keyboard.

COM Ports

COM ports facilitate communication between Gatekeeper VDS and attached peripheral devices. COM port configuration options allow for the configuration of a COM port to communicate with a specific external device.



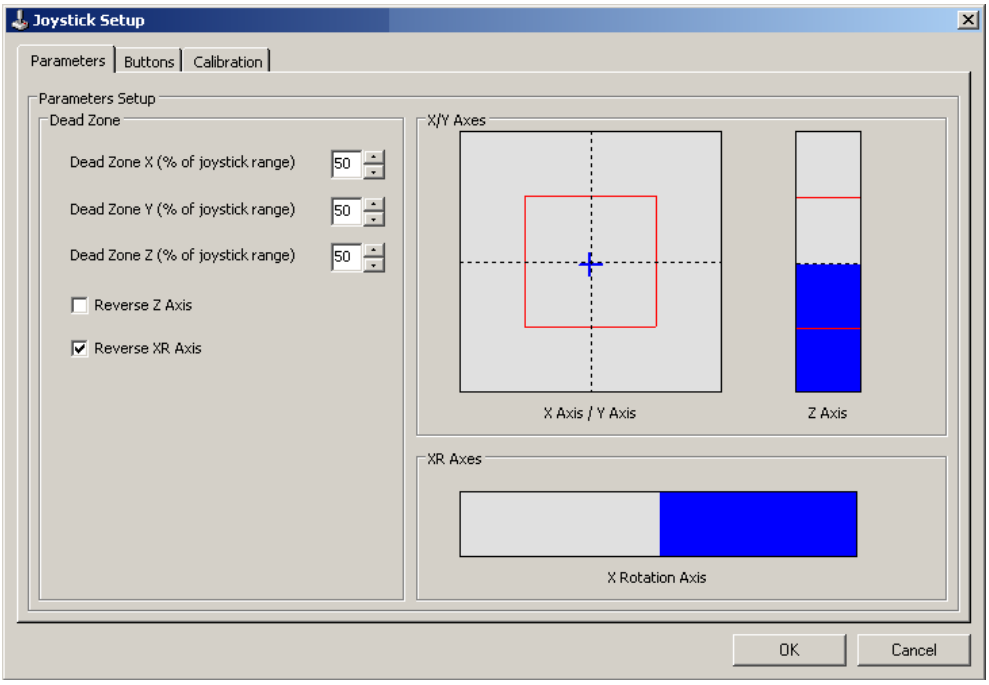
Port	Determines the COM port that will be configured or edited.
Settings	Set the Baud Rate, Data Bits, Stop Bits, and Parity to match the requirements for the Pelco KBD300A. Please consult the Pelco manual for specifications.

Joystick Setup

This section is for configuring a USB Joystick Keyboard such as the VM Desktop Keyboard by CH. To access these settings, click on the Joystick Setup… button in the Keyboard settings tab.

Parameters

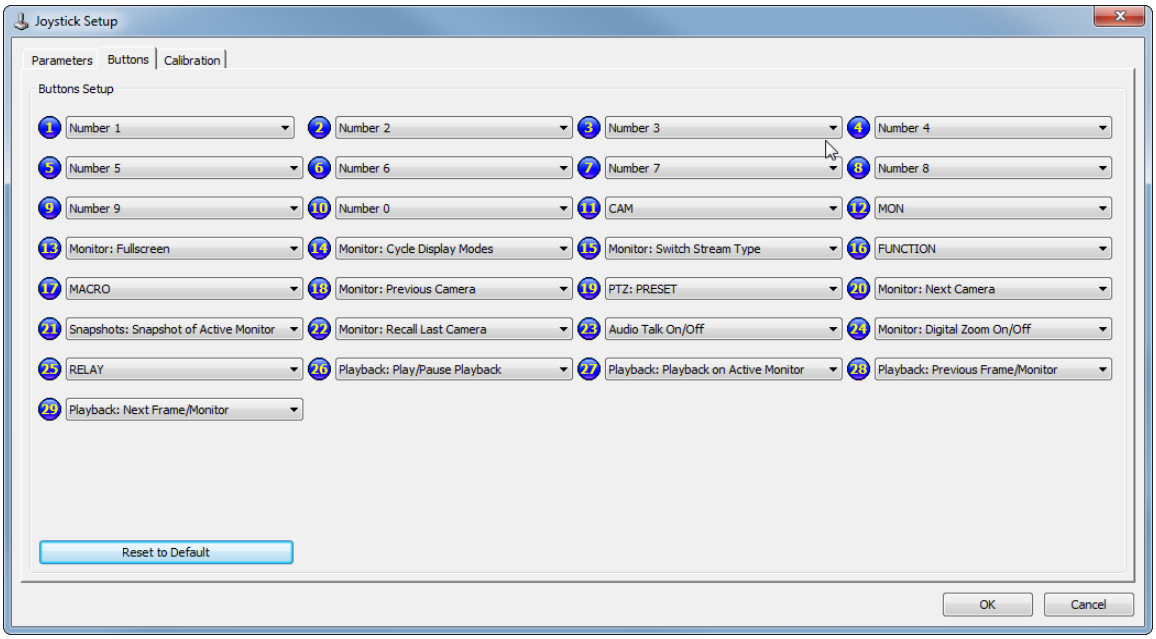
This window can be used to modify joystick configuration parameters such as dead zone and axis direction.



Dead Zone	A *Dead Zone* is an area of motion defined by the user that determines how much the joystick has to move on any one axis before it will respond. So, if the value is very small, PTZ cameras will respond to very slight touches of the joystick, allowing for more precise positioning. The area of dead zone is marked in red on the axis diagram.
Reverse Z/XR Axis	Selecting either of these options reverses the functions of the Z or the XR axes.
Z Axis	Controls the zoom of the PTZ camera. Twisting left and right zooms the PTZ camera in and out.
XR Axis	Controls the speed of playback and rewind. Twisting the XR wheel right will increase the speed of the playback, while twisting it left will reduce the speed.

Buttons

Use this window to change the function of any button on the plugged in USB Joystick. To see which number is associated with which button on the joystick, simply hit the button on the joystick and the associated number will turn red on this window (like button 17 in the screenshot below).



The following is a list of all of the available functions for buttons and how they work.

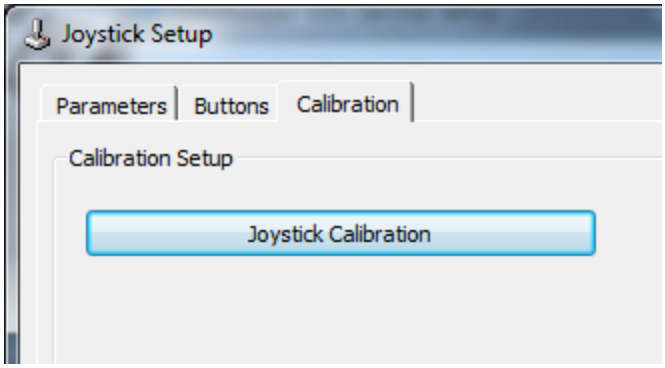
Not Assigned	Clears the button's assignment.
Alarms: Ack&Clear Last Alarm	Acknowledges and clears the most recently received alarm from the *Alarm* window.
Alarms: Acknowledge All Alarms	Acknowledges all alarms currently sitting in the *Alarm* window. Please refer to the **Alarms**section for more information.
Alarms: Clear All Alarms	Clears all alarms in the *Alarm* window.
Audio Talk On/Off	Opens or closes the Audio Talk window for the active monitor.
Audio Talk: Talk On/Off	Initiates audio talk while viewing a camera in the *Live* window of VDS Client. Please refer to **Live View** section for more information.
CAM	Corresponds to the CAM button on the **Virtual Keyboard**.
MACRO	Corresponds to the MACRO button on the **Virtual Keyboard**.

Macro 01-20	Triggers a configured Macro. More on macros can be found in the **Macro Settings** section.
MON	Corresponds to the MON button on the **Virtual Keyboard**.
Monitor: Cycle Display Modes	Changes the layout of the VGA Monitor containing the currently selected virtual monitor. Layouts cycle progressively upward—for example, pressing the button while on a 2x2 layout will change the monitor to a 3x3, then a 4x4, etc.
Monitor: Digital Zoom On/Off	Emulates the Zoom button in the Live window. For more information on the Zoom button, please refer to the **Live View** section.
Monitor: Fullscreen	Changes the layout to 1x1 for the currently selected virtual monitor.
Monitor: Next/Previous Camera	Switches the active monitor to display a feed of the next or previous numbered camera
Monitor: Recall Active Mon	Restores selection to the previously selected virtual monitor. Corresponds to the Recall button on the Virtual Keyboard.
Monitor: Switch Stream Type	Shifts the stream type of the currently selected camera between Sub/Rapid Stream and Main Stream.
Number 0-9	Corresponds to the numbers on the **Virtual Keyboard**.
Playback: Next Frame	Jumps to the next frame in the currently active playback window.
Playback: Play/Pause Playback	Plays the currently active playback window.
Playback: Playback on Active Monitor	Opens the playback window for the currently active monitor and displays playback on the currently active monitor. Please see the **Playback** section for more details on the Playback window.
Playback: Previous Frame	Jumps to the next frame in the currently active playback window.
PRESET	Corresponds to the PRESET button of the **Virtual Keyboard**.
Preset 01-20	Triggers a preset position for a PTZ camera.
Relay 01-20	Triggers a relay configured on a VIGIL Server.

Snapshots: Save All	Save all the currently displayed snapshots taken with the Snapshot of Active Monitor button to the configured destination.	Snapshots Overlay
Snapshots: Snapshot of Active Monitor	Captures a still image of the active monitor and displays it in the Snapshots overlay, pictured right.	
	Note: Snapshots will not be saved until the *Save* button is clicked	

Click the *Reset to Default* button to set all button configurations to their default settings.

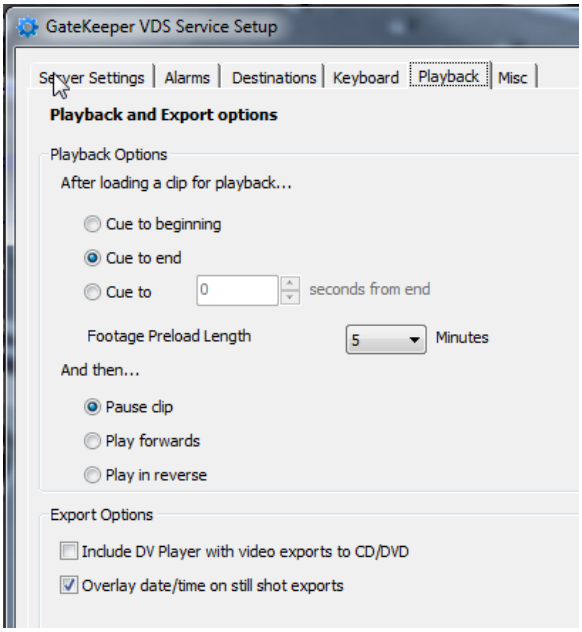
Calibration



Joystick Calibration	Opens the Game Controller configuration window in windows. This menu is used for the calibration of the USB joystick via the Windows game controller calibration interface. For more information on this screen, please see the Windows Help entries on your installation of Windows, found within the Control Panel of Windows.

5.5 Playback

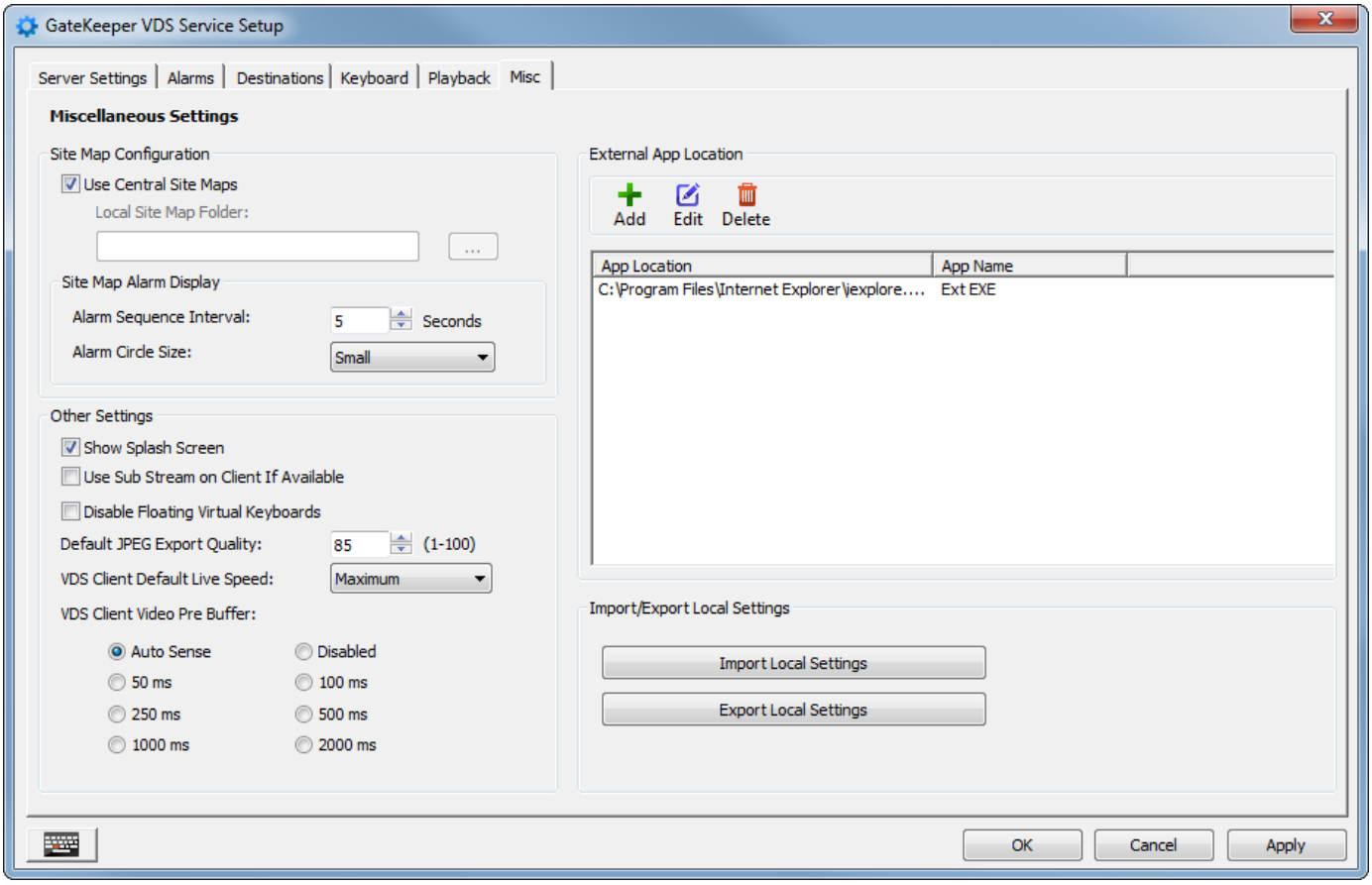
The playback tab contains options pertaining to playback and export of recorded footage from the playback screen. The manner in which a clip of footage is loaded in the playback window can be changed in this tab, along with several export settings.



Cue to Beginning	Enabling this option will load recorded footage at the beginning of the time duration selected. Playback footage will automatically load showing the very first frame.
Cue to End	Enabling this option will load recorded footage at the end of the time duration selected. Playback footage will automatically load showing the very last frame.
Cue to [60] seconds from end	This option allows playback footage to be loaded at any point in the footage's duration, as measured in seconds. **Example:** If this option is set to 60 seconds, all playback footage will automatically load showing the frame exactly 60 seconds before the last frame.
Footage Preload Length	Selects the default search duration after playback is initialized. Choose between 2, 5, 10, 15, 30, and 60 minutes.
And then...	Select either *Pause Clip, Play Forwards,* or *Play in Reverse.* This section determines what the playback window will do once its footage has loaded. *Pause Clip* will load footage to the specified frame and then halt footage. *Play Forwards* will load footage to the specified frame and begin automatically playing the footage. *Play in Reverse* will load footage to the specified frame and begin automatically playing the footage backwards from the starting point.
Export Options	*Export Options* pertain to exported video footage, snapshots, or audio footage. Include DV Player with video exports to CD/DVD will add the DV Player installer to any export to a CD or DVD. Enabling *Overlay date/time in still shot exports* will add a timestamp to exported still frame snapshots.

5.6 Misc

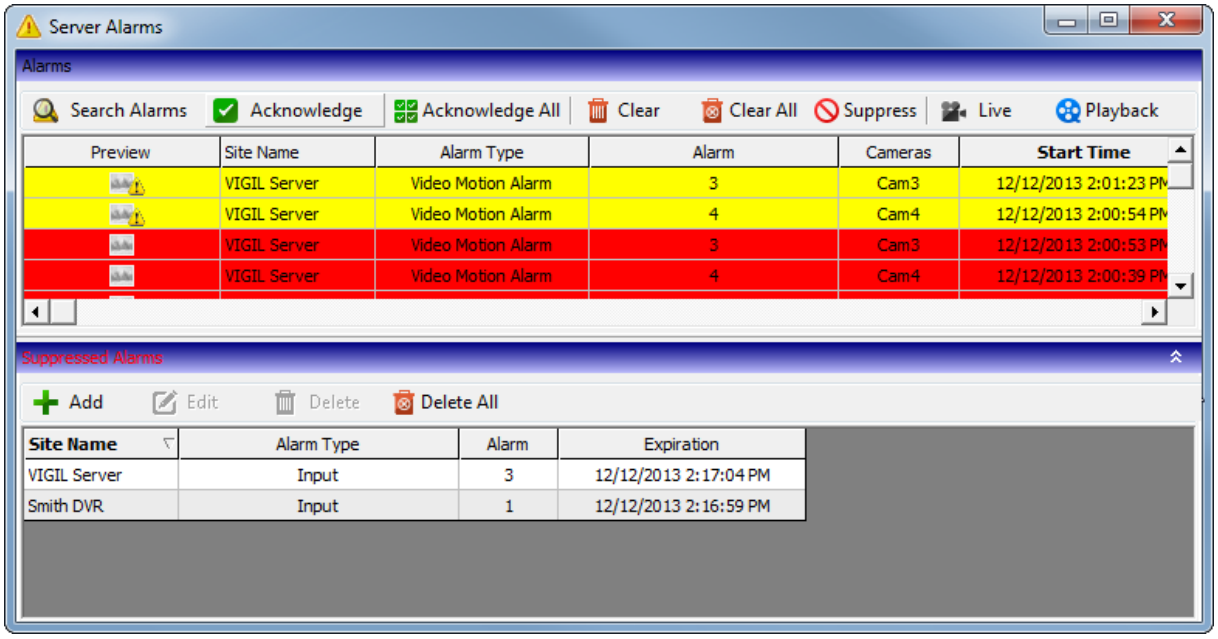
The *Misc* tab contains all of the settings that do not properly fit in any other section of the Settings window. Options include the location of site maps, import and export of local VDS Client settings, configuration of external applications with VDS Client, and USB joystick configuration.



Top Level Maps Location	The directory where Gatekeeper VDS Client will look for site maps. If site maps exist in the specified directory, Gatekeeper VDS Client will automatically detect them and load them onto the main screen. Clicking on the '...' button will open a windows explorer window to browse to the folder of your choice.
Map Alarm Sequence Interval	The amount of time in secondsto display a map in sequence if alarms have been activated on multiple maps.
Sitemap Alarm Circle Size	The size of the circle that will be drawn around a camera on a sitemap if that camera goes into alarm mode.

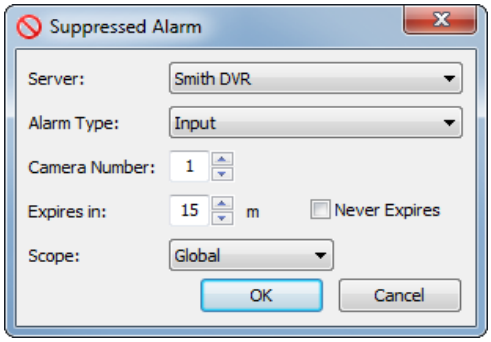
6 Alarms Window

Alarms are listed in a tabular form with the site name and IP Address, type of alarm, camera number, alarm number, and the start and end date/time of the alarm. New alarms that have not yet been acknowledged are shown in red. Acknowledged alarms are displayed in yellow.



Search Alarms	Search for alarms.
Acknowledge	Acknowledges the selected alarm and changes its highlighted color to yellow.
Acknowledge All	Acknowledges all visible alarms and changes their highlighted color to yellow.
Clear	Clears the selected alarm from the Alarms window.
Clear All	Clears all alarms from the Alarms window.
Suppress	Opens the Suppressed Alarm window where alarms can be suppressed so that no new notifications from the suppressed alarm will display until the alarm suppression expires or is deleted.
Live	Loads live video footage of the camera that corresponds to the selected alarm in the Live Viewer.
Playback	Plays back the video footage for the selected alarm. The playback footage will begin at the alarm Start Time and end at the alarm End Time.

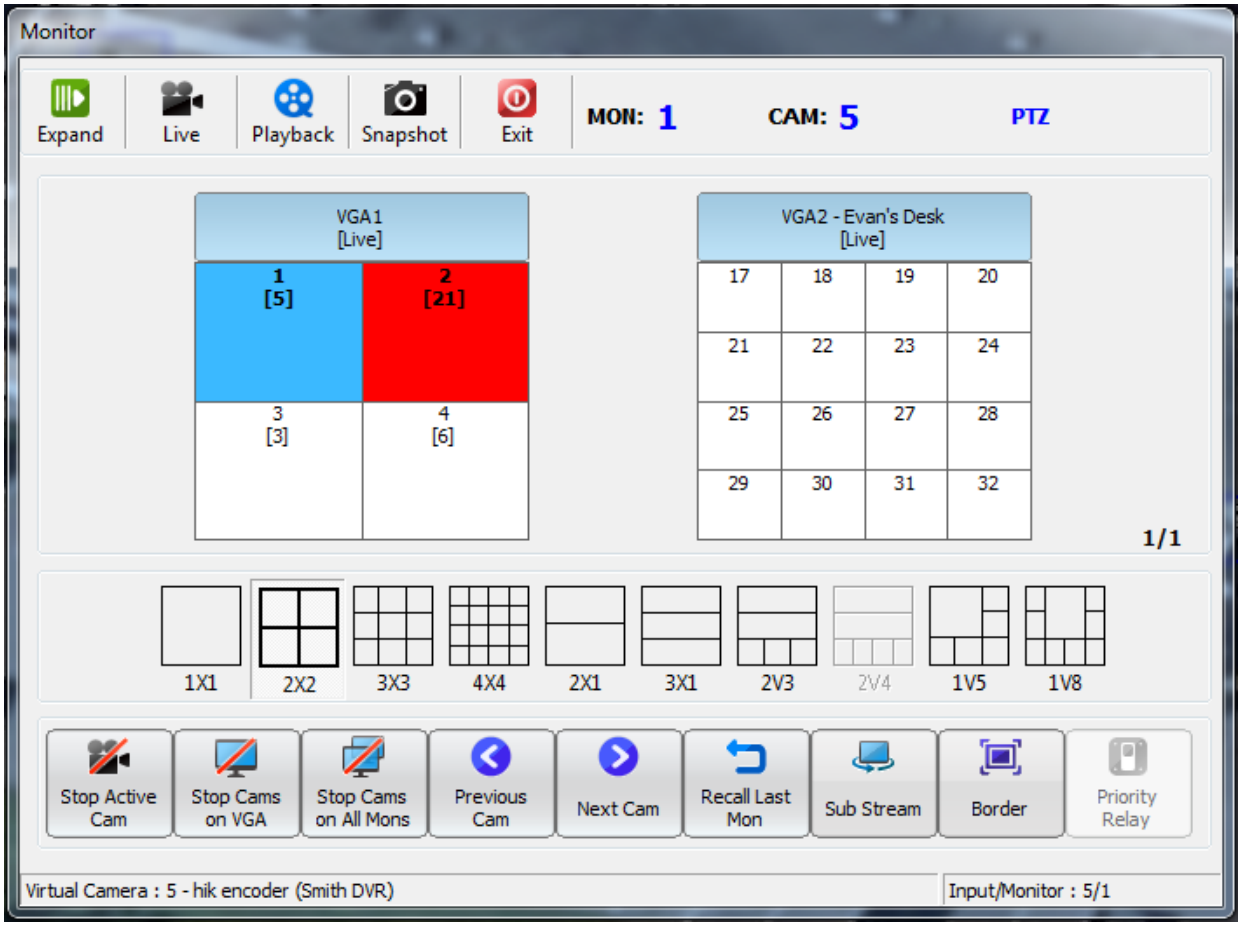
While an alarm is suppressed, no new notifications from the suppressed alarm will display until the alarm suppression expires or is deleted. While the alarm is suppressed, the *Suppressed Alarms* title bar flashes as a reminder that there are suppressed alarms.



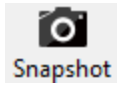
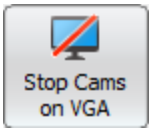
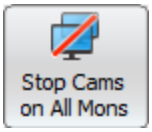
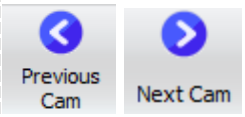
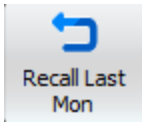
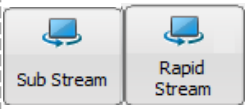
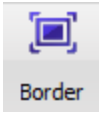
Right-click on an alarm received from a Server system and select *Suppress* to open the *Suppressed Alarm* configuration window. Click the *Suppressed Alarms* title bar to expand or collapse the *Suppressed Alarms* window. In this window, suppressed alarms can be added, edited, or deleted.

7 Monitor Window

The *Monitor* window contains all options devoted to the configuration of camera feeds on the VDS Monitors. Camera feed placement can be found in this window, along with VGA Monitor layout options, VGA Monitor groups options, macros, and USB joystick controls.

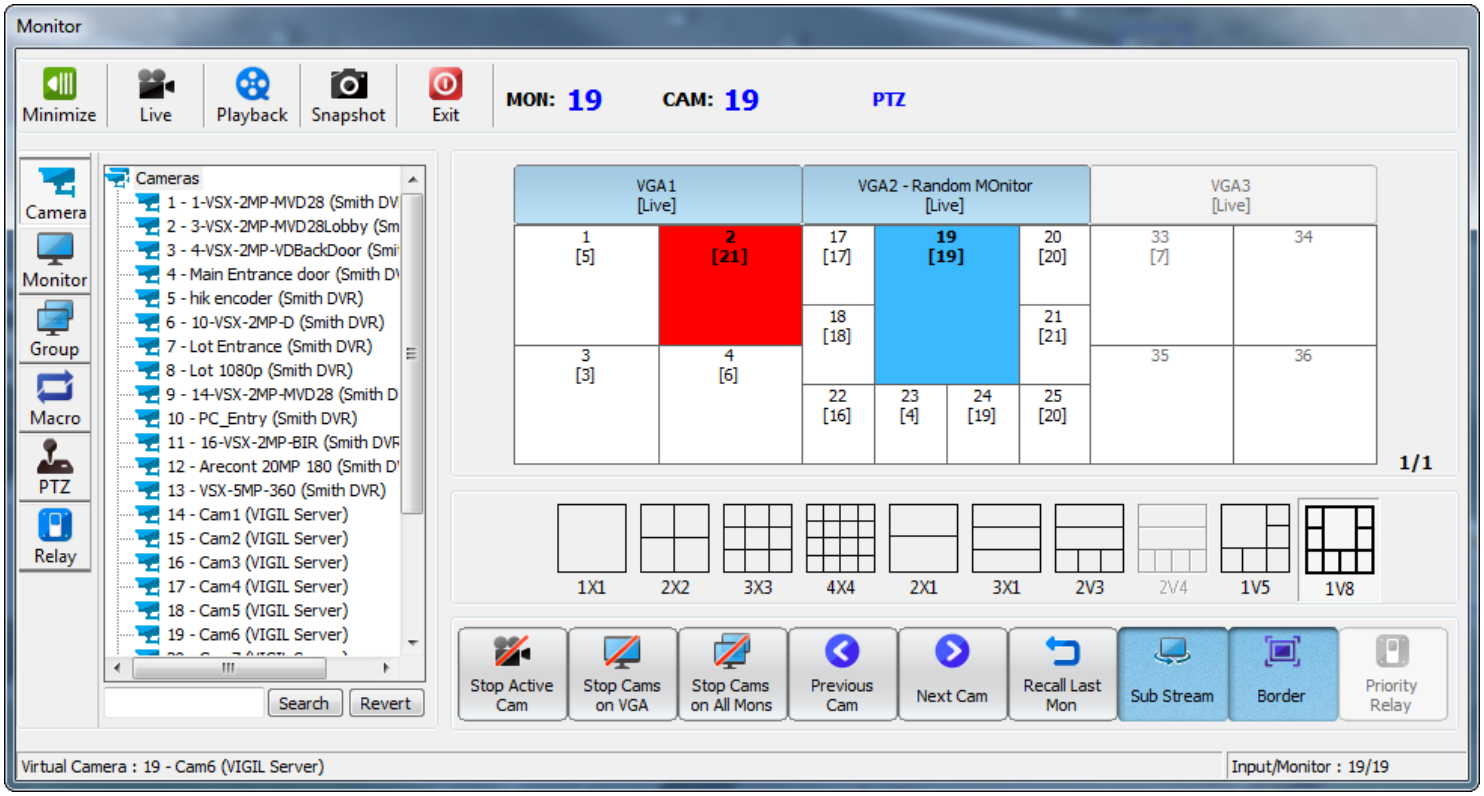


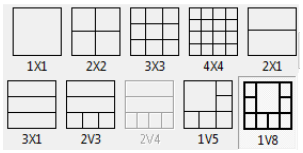
Expand Minimize	Hides or shows advanced controls on the current window (expanded by default). See the ***Expanded Monitor Menu*** section below for further details.
Live	Opens the live feed window for the currently selected camera feed. For more information about the Live Viewer Window, see the ***Live Viewer Window*** section of this guide.

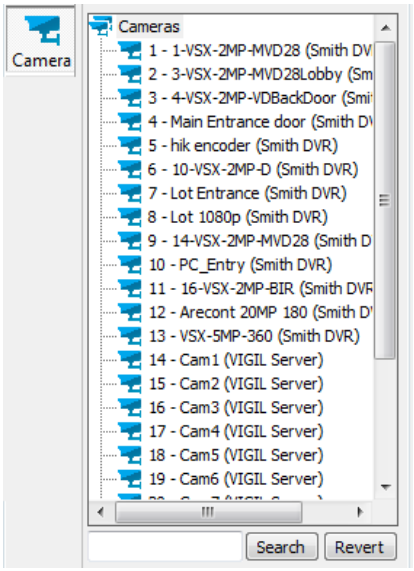
	Opens the playback window the currently selected camera feed.
	Takes a snapshot of the currently selected camera feed. See the ***Snapshots*** section below for details.
	Stops the currently selected feed. The selected virtual monitor will go black.
	Will stop all feeds on the VGA monitor the currently selected virtual monitor is displayed on. All virtual monitors will go black.
	Stops all camera feeds. All feeds will go black.
	Cycles to the numerically next and previous cameras on the currently selected virtual monitor.
	Switches focus to the last active monitor.
	Toggles the RapidStream/SubStream on or off for the selected camera.
	Toggles on and off camera feed borders on the VDS Monitor. The default is ON.

7.1 Expanded Monitor Menu

The expanded monitor menu allows multiple camera functions. Cameras can be assigned to virtual inputs, VGA layouts can be changed, VGA groups can be displayed, macros can be used, and PTZ cameras can be controlled. Click on the desired icon in the drop-down menu to access the following functions.



Layouts 	These pre-configured layouts are located under the monitor diagrams. Select one of the avialable layouts to change the layout for the VGA displaying the currently selected video feed. Layouts that are not available for the selected VGA monitor will appear greyed out.
Camera	Displays a list of all mapped cameras. **Adding Cameras:** Double click a camera to display it on the currently selected virtual input. Cameras can also be clicked and dragged to the desired virtual monitor input.

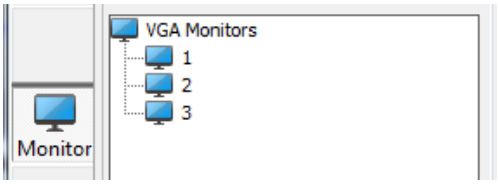

Camera
Cameras
1 - 1-VSX-2MP-MVD28 (Smith DV
2 - 3-VSX-2MP-MVD28Lobby (Sm
3 - 4-VSX-2MP-VDBackDoor (Smi
4 - Main Entrance door (Smith D
5 - hik encoder (Smith DVR)
6 - 10-VSX-2MP-D (Smith DVR)
7 - Lot Entrance (Smith DVR)
8 - Lot 1080p (Smith DVR)
9 - 14-VSX-2MP-MVD28 (Smith D
10 - PC_Entry (Smith DVR)
11 - 16-VSX-2MP-BIR (Smith DVR
12 - Arecont 20MP 180 (Smith D
13 - VSX-5MP-360 (Smith DVR)
14 - Cam1 (VIGIL Server)
15 - Cam2 (VIGIL Server)
16 - Cam3 (VIGIL Server)
17 - Cam4 (VIGIL Server)
18 - Cam5 (VIGIL Server)
19 - Cam6 (VIGIL Server)
Search
Revert

Searching for Cameras:

Cameras are listed by VIGIL Server and then by Camera order on the VIGIL Server. Scroll through the list to find a camera.

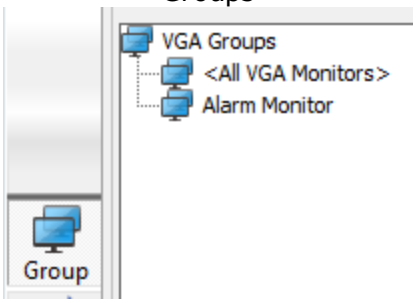
You may also look up a camera by name, virtual camera number, or VIGIL Server name by using the textbox at the bottom of the list and clicking *Search*. Click *Revert* to clear the search field and show all cameras in the list again.

Monitor



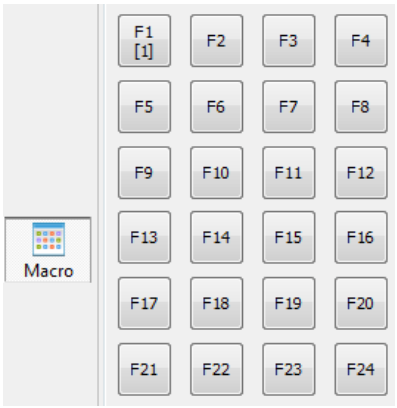
Lists and displays configured VGA Monitor Groups. Double-click on a listed monito groupr to display(in the monitors window) the layout diagram of all monitors in the group.

Groups



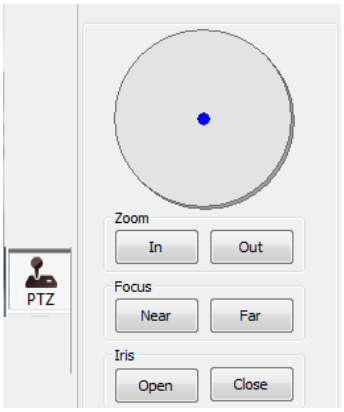
Lists and displays configured VGA Monitors. Double-click on a listed monitor to prominently display the monitor's number on the monitor's screen

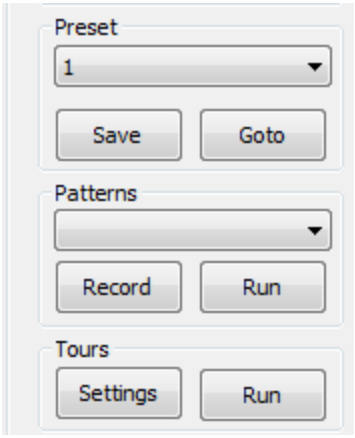
Macro



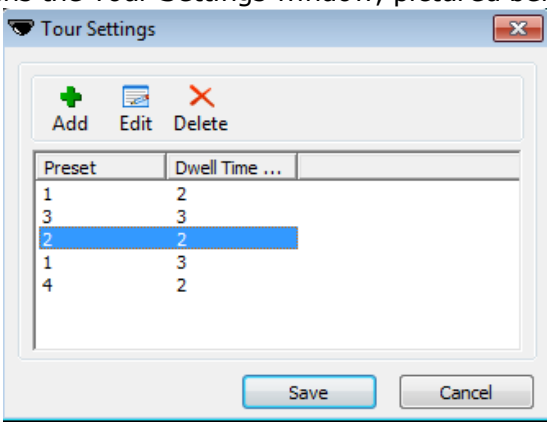
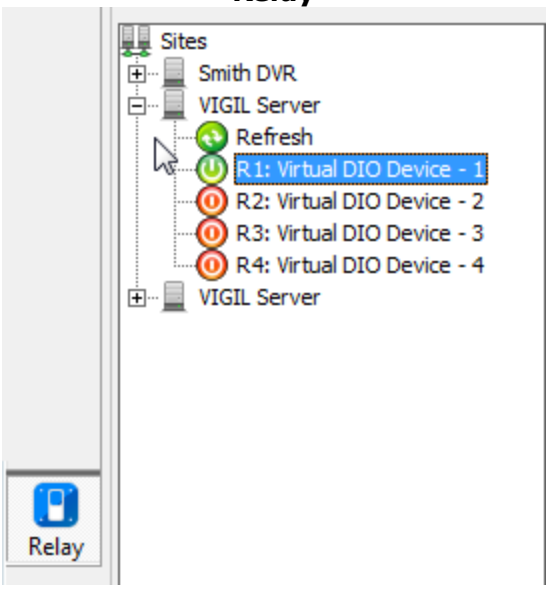
Displays a grid of virtual macro keys. If a macro has been mapped to a virtual macro key, its number will display in brackets underneath the key label (See the [1] underneath F1 in the example to the left.) Clicking on a macro key will execute the macro.

PTZ



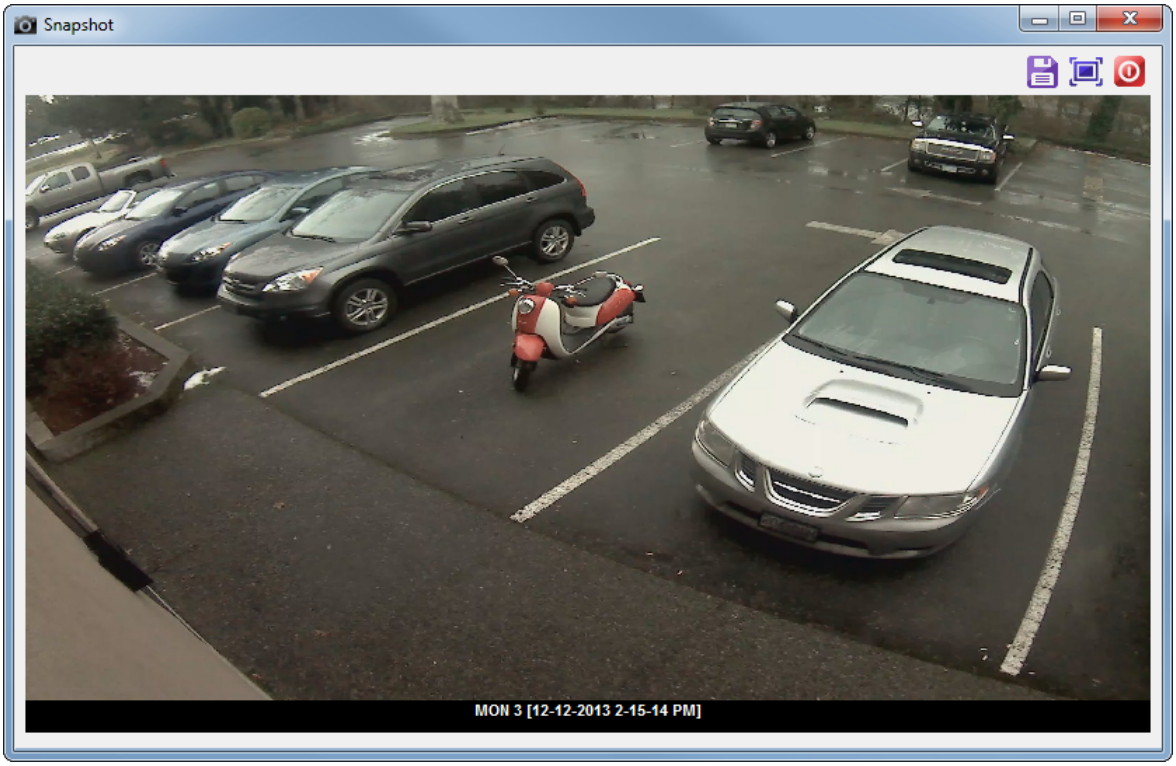


Zoom: In	Zooms in the PTZ camera's picture.
Zoom: Out	Zooms out the PTZ camera's picture.
Focus: Near	Focuses objects that are closer to the camera. Hold button down and wait until desired object comes into focus.
Focus: Far	Focuses objects that are further away from the camera. Hold button down and wait until desired object comes into focus.
Iris: Open	Opens the iris of the PTZ camera to allow in more light.
Iris: Close	Closes the iris of the PTZ camera to allow in more light.
Preset: Save	Save the PTZ camera's current angle and zoom level as the currently selected Preset (1 in the example image to the left.)
Preset: Goto	Change the PTZ camera's current angle and zoom level to the selected Preset (1 in the example image to the left.)
Patterns: Record	Record a PTZ Pattern
Patterns: Run	Run the selected PTZ Pattern

	Tours: Settings	Opens the Tour Settings window, pictured below:  Use this window to Add, Edit, or Delete steps from a Tour. A Tour Step consists of a preset for the camera to switch to and the number of seconds to remain on that preset (Dwell Time). Click Save to save the Tour, or Cancel to discard changes.
	Tours: Run	Run a previously configured PTZ camera Tour.
Relay  		The relay screen shows all relays currently configured on all VIGIL Servers. Double-click the Refresh button to update the status of the relays. Double-click a Relay to toggle its state. A green icon indicates that the relay is currently ON. A red icon indicates that the relay is currently OFF.

7.2 Snapshots

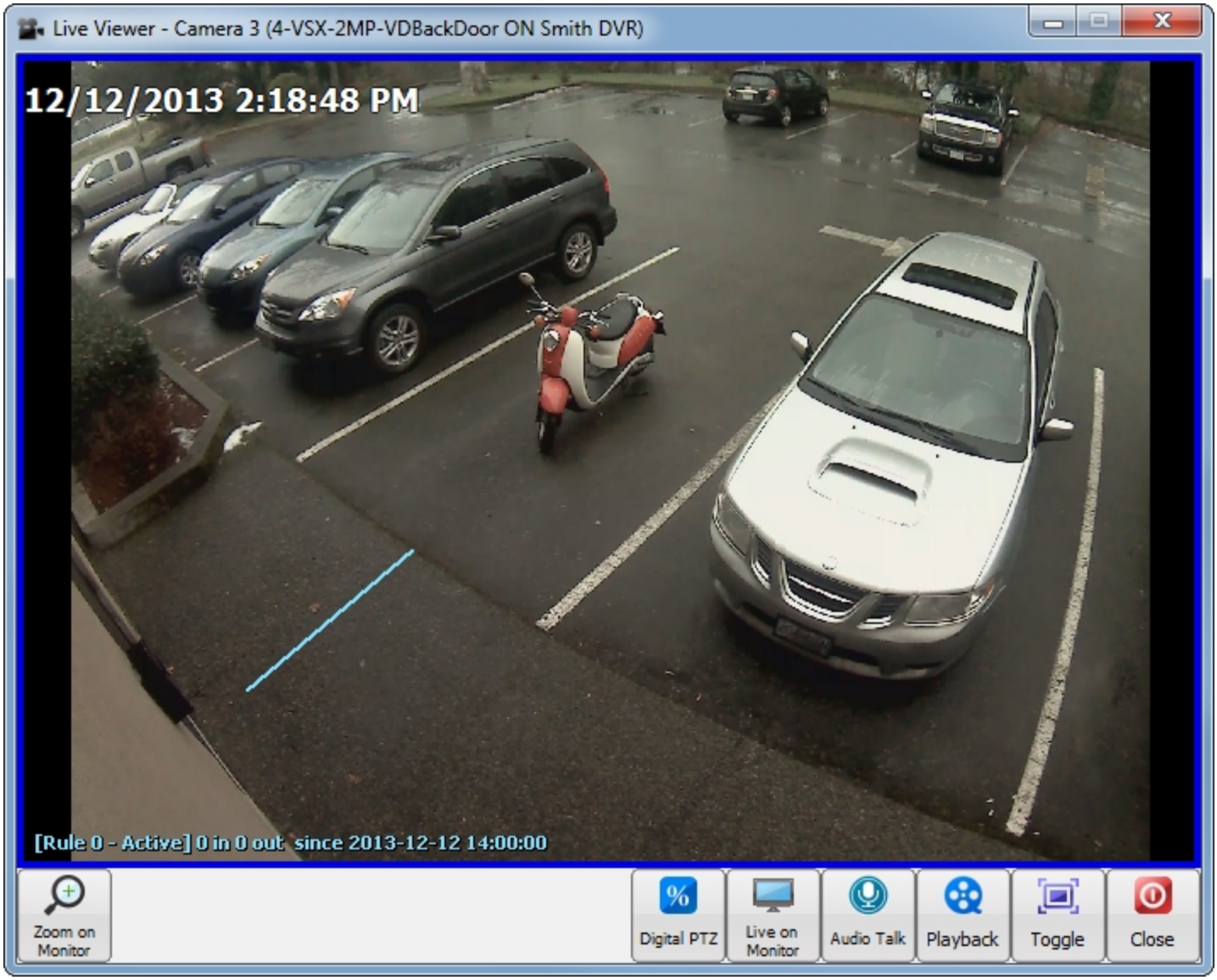
Snapshots are still frame images taken by Gatekeeper VDS from live footage. They can be saved locally in a variety of file formats.



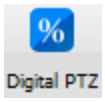
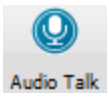
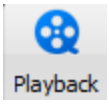
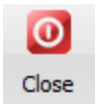
	Save the current snapshot. Opens the file browser. Select a destination to save the file and press *OK.*
	Click to expand the size of window. Click again to restore to original size.
	Click to close the window.

8 Live Viewer Window

The Live Viewer window is the window used for viewing live camera footage on Gatekeeper VDS Client. It can be accessed from the ***Live Menu*** on the Main Screen or the ***Monitor Window***.

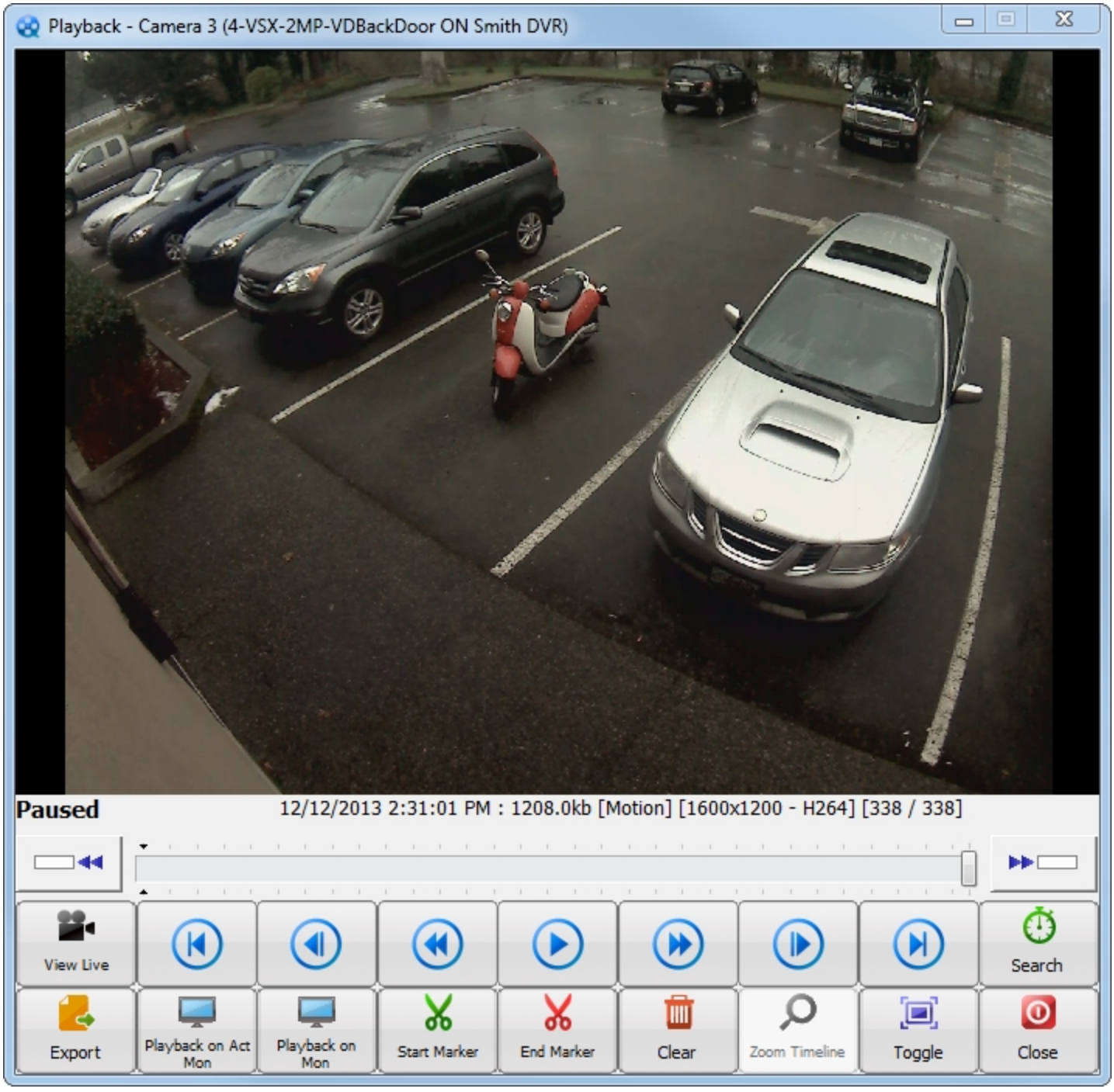


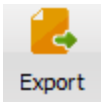
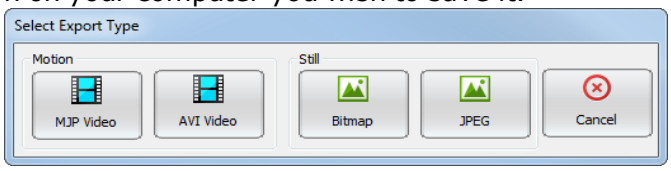
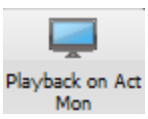
Zoom on Monitor	Zoom in on the footage on the actively selected monitor.

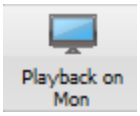
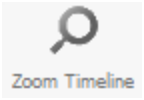
	Toggle Digital PTZ mode On or Off.
	Assign the live feed to a Virtual Monitor. Enter the monitor number and select OK to assign the live feed to the selected monitor.
	Open the Audio Talk window(pictured below.) Audio Talk will only function on systems where it has been enabled on VIGIL Server.
	Open playback(playback duration can be configured on the Playback tab in VDS Settings as well as from the Playback Search window) from the configured camera.
	Will reduce the Live Viewer window size. Click again to return the window to its original dimensions.
	Close the Live Viewer.

9 Playback Window

The playback window contains controls for viewing, searching, and exporting recorded video footage. All footage is recorded on the camera's VIGIL Server and accessed by Gatekeeper VDS Client.

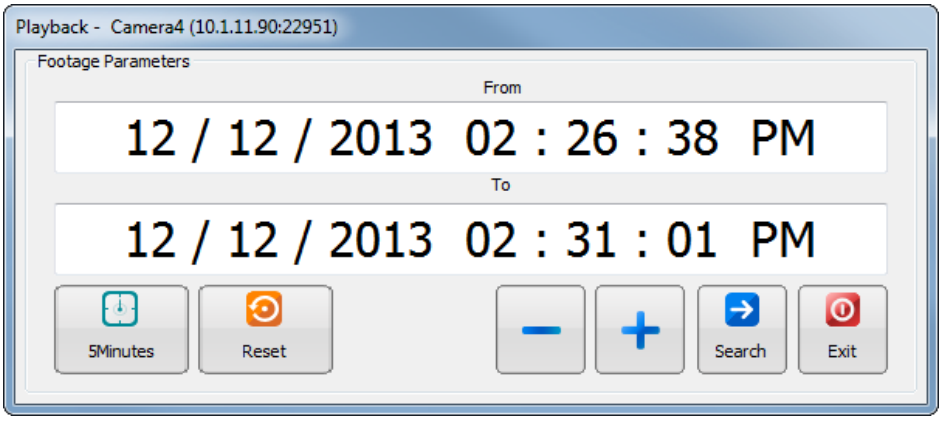


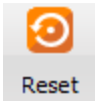
<table>
<tr><td rowspan="8">
Playback Control Buttons</td><td colspan="2">The playback control icons. From left to right:</td></tr>
<tr><td> </td><td>Skips back to the first frame of footage.</td></tr>
<tr><td> </td><td>Rewinds the footage by one frame.</td></tr>
<tr><td> </td><td>Plays the footage backwards. Clicking again increases the speed of rewind. Each click increases the rewind speed further.</td></tr>
<tr><td> </td><td>Plays the footage from the cursor point.</td></tr>
<tr><td> </td><td>Clicking increases the speed of the footage being viewed. Each click increases the speed further.</td></tr>
<tr><td> </td><td>Forwards the footage by one frame.</td></tr>
<tr><td> </td><td>Skips forward to the last frame of the footage.</td></tr>
<tr><td>
</td><td colspan="2">View Live Footage from the currently selected camera.</td></tr>
<tr><td>
</td><td colspan="2">Deploys the Search window. Please see the <u>Playback Search</u> Section (below) for full details.</td></tr>
<tr><td> 
</td><td colspan="2">Launches the Select Export Type window(pictured below.) Select which type of file you wish to export, then browse to the location on your computer you wish to save it.
 
</td></tr>
<tr><td> 
</td><td colspan="2">Display the currently loaded playback on the currently active monitor.</td></tr>
</table>

	This icon allows playback to be projected onto a virtual monitor feed. Click on it, enter the desired monitor number on the keypad that pops up, and click *OK* to display the currently loaded playback on the selected monitor.
	Selects a *Sub-Range* of footage. Position the slider to the desired beginning of the sub-range and click *Start Marker.* A small marker will appear below the starting point.
	Selects a *Sub-Range* of footage. Position the slider to the desired ending of the sub-range and click *End Marker.*
	Clears a selected subrange.
Toggle	Reduces the playback window size. Clicking a second time will restore the window to its original size.
	Zooms the timeline to show nothing but the selected sub-range. Clicking *Clear* will reset the timeline to normal.
Close	Closes the Playback window.

9.1 Playback Search

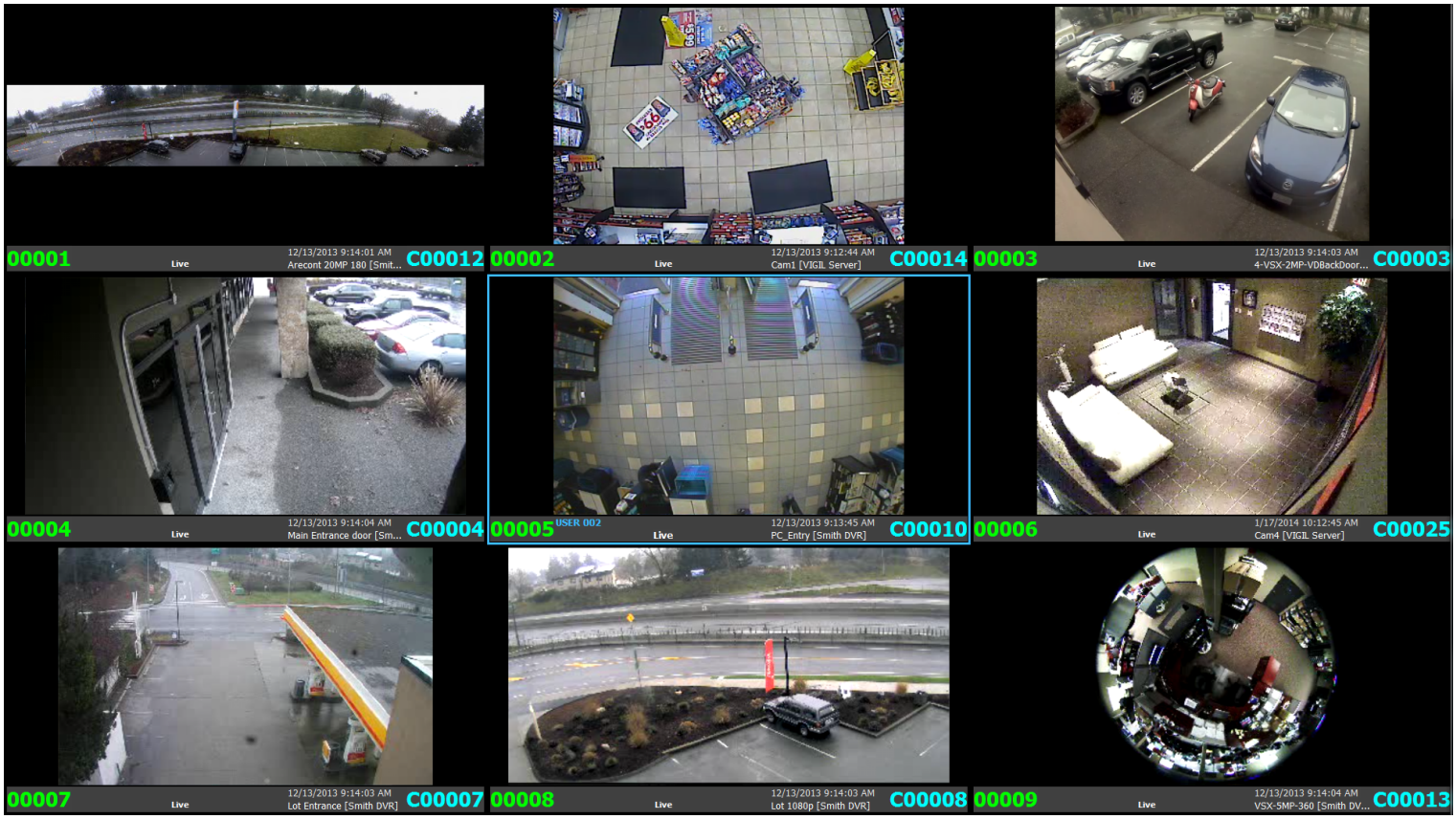
The *Playback Search* window is where specific footage is searched.



From / To	The *From* and *To*fields define the time period being searched for footage. All footage recorded between 11 AM and 12 PM will be returned in the above example.
	Sets the interval of the of the search duration based on the *To* category. The displayed time amount will change every time the button is clicked. **Example:** Setting the icon to 30 minutes with a *To* value of 9:45 AM would set the *From* value to 9:15 AM. Clicking this icon multiple times gives other durations such as 5, 10, 15, and 30 minutes.
	Resets the *From/To* values to reflect the current time. It will show duration based on the displayed setting on the above icon.
Increase Time	Increase the currently selected time measurement.
Decrease Time	Decrease the currently selected time measurement.
	Loads the footage for the selected timeframe.

10 VDS Monitor Screen

The *VDS Monitor Screen* is what will be displayed after configuring a VGA monitor. Camera feeds are configured in the *VDS Client* and displayed upon this screen. A monitor that is currently selected by a user will show a green border around the camera feed, as well as sport a coloured user number above the monitor number.



The explanations below are based on the screenshot pictured above. Camera names, timestamps, and *User* colors will change based on individual user configuration.

Note: On lower resolutions, some of the elements mentioned below will not be displayed.

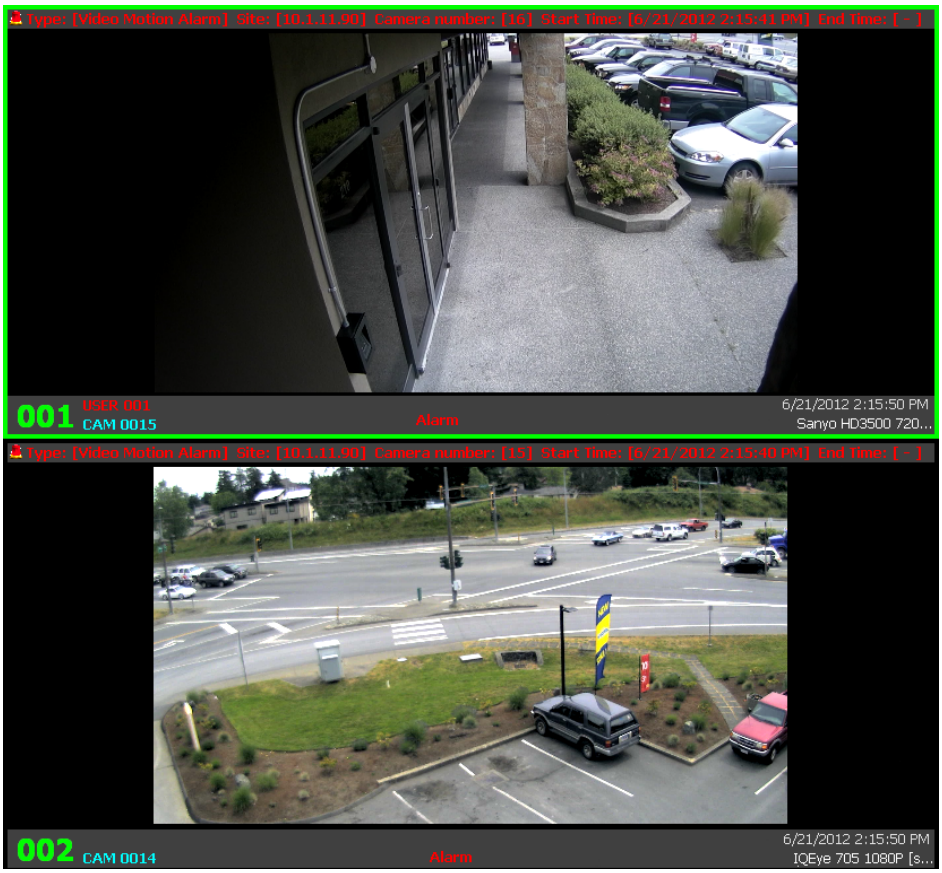
032	The virtual monitor's number.
C0047	The number of the camera being displayed in the virtual monitor.
USER 003	Indicates the current user who is using this virtual monitor. Notice that the border of the Virtual Monitor will also change to the color for that user.

PTZ	Indicates whether or not the camera currently being displayed is a PTZ Camera or not.
Live	The status of the camera feed. The status reflects what state the virtual monitor is currently in. Possible virtual monitor statuses include *Live, Live – Zoom, Playback, Digital Zoom, Pause, Fast Forward,* and *Rewind.*
12/28/2012 2:09:35 PM	Timestamp. The current time of the camera based on its VIGIL Server's time.
HD-SDI PTZ [3xLOGIC ...	The name of the camera displayed in that virtual monitor. If the camera name is longer than 19 characters, the camera name will be truncated with a "…", as seen in the picture.

11 Alarm Monitors

Alarms triggered on VIGIL Server can be received on a VDS Monitor. To configure a VDS Monitor to receive alarms, add it to a VGA Monitor Group (see **VGA Monitor Groups Tab** section under Server Settings) that has "Show Alarms" enabled. Alarms will then display on the configured monitors starting with the first monitor in the group and continuing to fill each virtual monitor in the group. When all virtual monitors have been filled, alarms will begin to show in sequence.

Once configured, Gatekeeper VDS will display the alarms on a designated VGA monitor, as well as on a configured Site Map, if available. When a VDS Monitor enters alarm mode, the alarm information will appear at the top of the virtual monitor.



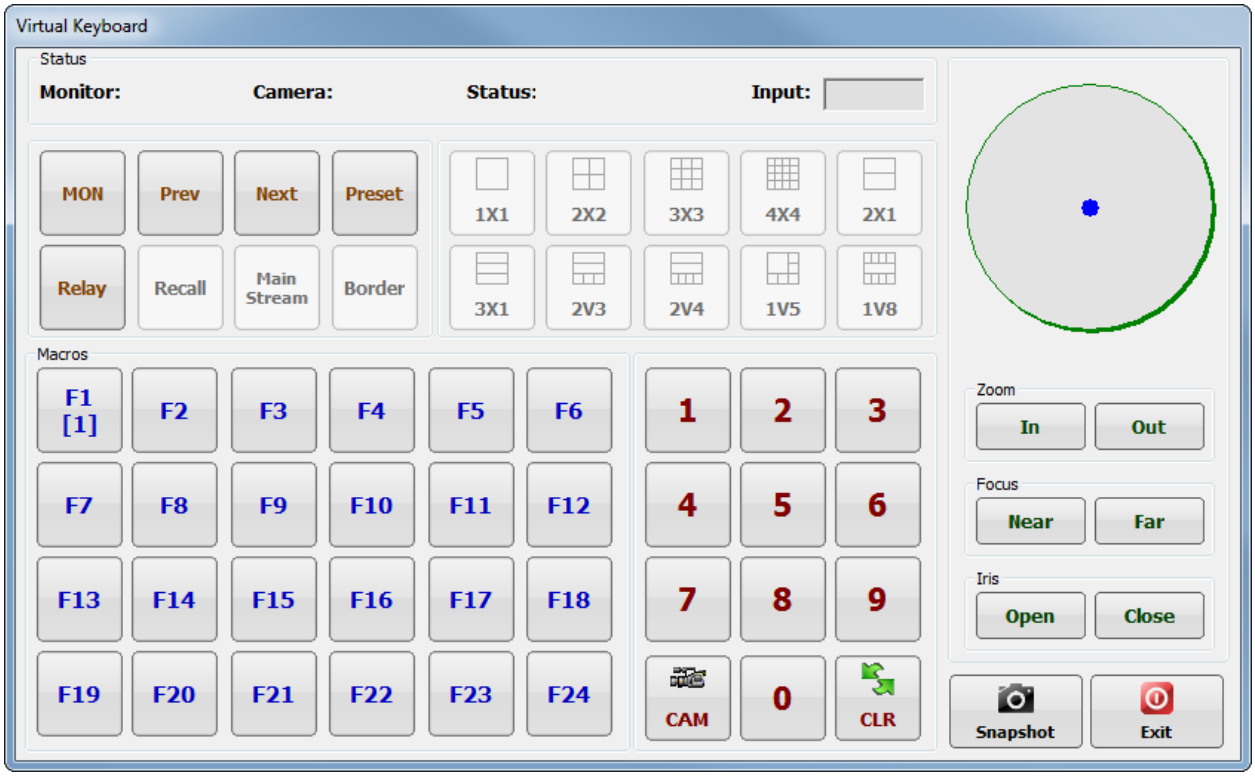
The alarm info bar will appear as red if the alarm needs to be acknowledged. Acknowledged alarms will appear in yellow. Clearing all alarms will return the VGA monitor to its original layout. Alarms can be acknowledged and cleared in the *Server Alarms* window. (See the ***Alarms Window*** section for more details.)

11.1 Sitemap Alarms

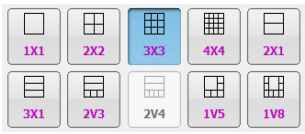
Alarms received from a VIGIL Server can be displayed on the VDS Client sitemap. Alarm-state cameras will appear with a series of red rings around their icon, while acknowledged alarms will be shown as yellow rings. VDS Monitor screens will display alarms identically as described in the previous section. Clicking on an alarm-state camera will load the camera feed in the currently selected virtual monitor.

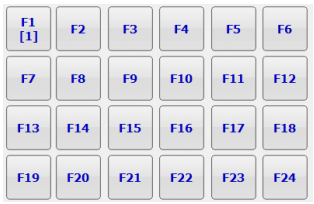
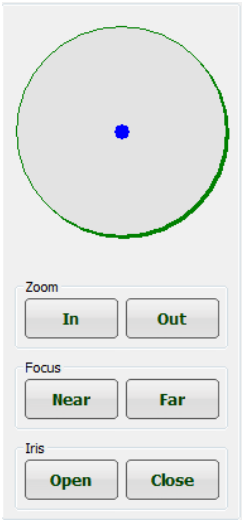
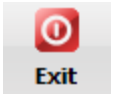
12 Virtual Keyboard

The Keyboard icon on the main page launches the virtual keyboard. The virtual keyboard can change VGA layouts, select active cameras, activate presets, trigger relays, and control PTZ cameras.



Monitor: 41	Shows the Virtual Monitor number of the Active Virtual Monitor.
Camera: 1	Shows the Camera Number of the Camera currently assigned to the Active Virtual Monitor.
Status: OK	Shows the Status of the last command executed: **OK –** Command executed successfully. **INVALID** – Invalid selection.
PTZ	Displays when a PTZ camera is assigned to the Active Virtual Monitor.

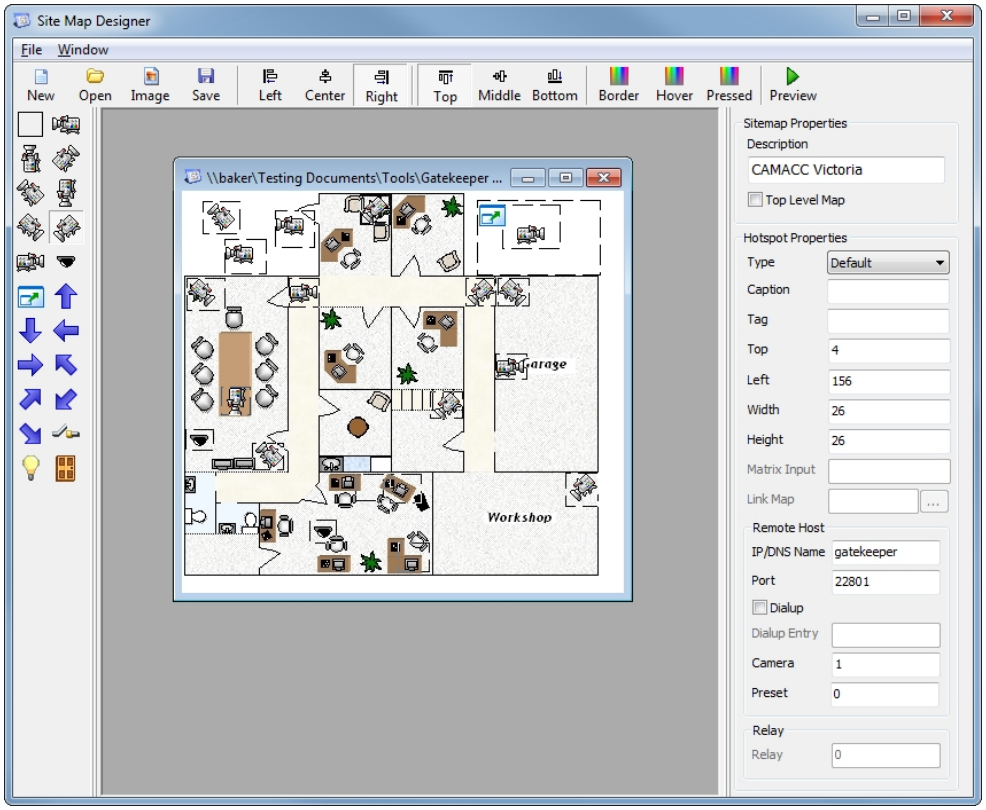
	Shows the current numeric input to be processed when an Action Key (CAM, MACRO, MON, Preset, or Relay) is next pressed.
	Monitor button. To select a monitor, enter the virtual monitor's monitor number and press the **MON** button.
	Displays the previous or next camera in the currently selected virtual monitor. Multiple clicks will continuously cycle through cameras in reverse order.
	Places a PTZ camera on a saved preset. Enter the desired preset number and press **Preset**. The PTZ camera will go to the designated preset. PTZ presets are stored in the PTZ camera itself—for further information please see the VIGIL Server User's Manual.
	Activates a relay associated with the currently selected camera. See the VIGIL Server user's manual for further information on relays.
	Switches selection to the previously selected virtual monitor.
	The /Rapid/Sub Stream button allows the change of state between main stream and Sub-Stream/RapidStream. The button changes its name based on a camera's susb-stream capability. If a device supporst Rapidstream, it will display as such. IF not, it will display Sub-Stream. Clicking once will change its state from main-stream to Rapid/Sub-Stream. Clicking a second time will change it back.
	Toggles borderless display mode on and off. Toggling borders off will remove all borders from the VDS Monitor screen, showing nothing but the camera feeds. The default state is for borders to be **On.**
	Changes the layout of the VGA monitor containing the currently selected monitor. Layouts that are not allowed for the current monitor will be disabled.

	The Macro Function Keys can be assigned to any Macro configured in the **Macro Settings Tab** of Server Settings. Clicking one of these keys will run its associated Macro. If a Macro Function Key has been assigned a Macro, that Macro's number will be displayed in [brackets] underneath the Macro Function Key's label.
	To stream a camera feed on the current virtual monitor, begin by selecting a monitor. Next, enter the Camera Number and press **CAM.** This will display the desired camera feed on the currently selected monitor.
	**PTZ Controls** These controls are for moving a PTZ camera. **Pan/Tilt:** To pan or tilt a PTZ Camera, click and drag the blue dot in the center of the green circle. **Zoom:** To zoom in or out with a PTZ Camera, click on the In or Out buttons under "Zoom". **Focus:** To control the focus of a PTZ camera, use the Near or Far buttons under "Focus". **Iris:** To control the amount of exposure of the PTZ Camera's Iris, use the Open or Close buttons under "Iris".
	Takes a snapshot of the currently selected camera feed. Opens the Snapshot window. See the **Snapshots** section under Monitor for further information.
	Close the Virtual Keyboard Window.

13 Site Map Designer

The *Site Map Designer* is a utility that allows the user to configure graphical displays of the site with associated cameras.

To open the *Site Map Designer*, from the Start Menu*: Programs* | *VIGIL* | *Site Map Designer*.



Creating a New Site Map

1. Before beginning a new site map, create an image (JPG or BMP) file. This file will be used as a background picture for the site map.

2. Click the *Image* button on the toolbar or select *File* | *Load Background Image* from the menu.

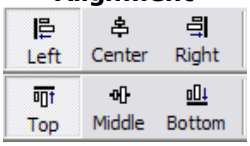
Opening an Existing Site Map

1. Click the *Open* button on the toolbar or select *File* | *Open* from the menu.

Saving a Site Map

1. To save a site map, click the *Save* button from the toolbar or select *File* | *Save As…* from menu. Site map files are normally stored in the *C:\Program Files\\Client* directory.

13.1 Site Map Designer Icons and Buttons

Hot Spot	With this icon selected, drag a box on the site map to define a new hot spot. To delete a hot spot, select the hot spot you wish to remove and click the *Delete* key.
Fixed Camera	Select an existing hot spot on the sitemap and then click the icon or drag a box with the icon selected to place a fixed camera on the site map. When setting up these cameras, specify the appropriate remote host and camera number in the control settings.
Dome (PTZ) Camera	Select an existing hot spot on the sitemap and then click the icon or drag a box with the icon selected to place a pan/tilt/zoom camera on the site map. When setting up these cameras, specify the appropriate remote host and camera number in the control settings.
Multi-Camera Grid	Select an existing hot spot on the sitemap and then click the icon or drag a box with the icon selected to place an icon to link to 4, 9, or 16 camera grid on the server *Live* screen. When setting up these cameras, specify the appropriate remote host and set the camera number to 0 in the control settings.
Map Link	Select an existing hot spot on the sitemap and then click the icon or drag a box with the icon selected to place a map link icon.
Directional	Select an existing hot spot on the sitemap and then click the icon or drag a box with the icon selected to place a directional icon on the site map. For example, can be used to provide directional links to adjacent maps.
Relays	Select an existing hot spot on the sitemap and then click the icon or drag a box with the icon selected to place a relay on the site map. It provides a toggle for relays on the site map. It is also polled every 5 seconds for its current state.
Alignment 	Select a hot spot and then use a combination of the horizontal and vertical alignments to move the icon into any position within the hot spot.
Color	Use these buttons to change the default colors of the hot spot borders for each state (normal, mouse over, mouse click). These changes will affect all hotspots on the map.
	Click the Preview button to view the site map in runtime mode.

13.2 Site Map / Hot Spot Properties

Note: Click the Tab key or select a different input box after each setting has been made to make sure the changes occur.

Sitemap Properties

Description	A brief description of the site map.
Top Level Map	*Top Level Maps* are listed as a home map in Gatekeeper.

Hotspot Properties

Hot Spot Types	**Default**	Select *Default* for a PTZ or a fixed camera hotspot.
	Live Only	Select *Live Only* for camera hotspots that link to a camera that is connected to the Matrix Switch but not to a VIGIL Server VIGIL Server.
	Link	Select *Link* for a hotspot that links to another map.
	Relay	Select *Relay* to trigger an output relay from a DIO device configured on the VIGIL Server.
Caption	The text that is displayed when the mouse is moved over the camera.	
Tag	Use the *Tag* section to make any notes about this camera. This information is not displayed in the site map.	
Top/Left/Width/ Height	Size and position of the hot spot in pixels.	
Matrix Input	For *Live Only* cameras; the Matrix Input number of the camera.	
Link Map	For link hot spots, the location of the site map where the link leads to.	

Remote Host

IP/DNS Name	The IP Address or DNS Name of the VIGIL Server VIGIL Server.
Port	The data port of the VIGIL Server VIGIL Server.
Dialup	Enable this option if the connection to the Server VIGIL Server is a dialup connection.

Dialup Entry	For dialup connections only; the dialup entry of the dialup connection.
Camera Number	The VIGIL Server camera number of the selected camera.
Preset	For controllable cameras, enter a preset number for the camera to go to this preset when the hotspot is clicked. Presets will only function when the *Site Map Monitor* button is latched on.

Relay

Relay	The number of the relay switch that will be toggled when the hotspot is clicked.

14 Language Switcher

VIGIL Gatekeeper VDS can be run in English, French, Spanish, Chinese, and Hebrew. The *Language Switcher* can be run from the Windows Start menu, select *Programs* | | *Language Switcher*. Select the desired language from the drop-down menu, click switch. A prompt will show informing that a system reboot is required to complete the language change. Click *Yes* to reboot immediately, Click *No* to have the update applied the next time the system is restarted. Note: The prompt will display in the language that is being switched to.

15 Contact Information

3xLOGIC has offices in Victoria BC, Canada and in Westminster Colorado, USA. Please visit our 3xLOGIC web site at ***www.3xlogic.com***. Please contact us by e-mail at support@3xlogic.com (technical support), or using the following contact information:

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